DUNGS®
Combustion Controls

Pricebook Version 17.0

Terms and Conditions

Terms and Conditions Quick Reference	2
Stock Class Definitions	3
Standard Terms and Conditions of Sale	4
Offer and Acceptance of Contracts	5
Prices and Payment	6
Delivery	7
Reservation of Security Interest	9
Rejection of Nonconforming Goods	10
Limited Warranty on the Controls Themselves	10
Limitation of Liability	13
Statute of Limitations	13
Software	13
Choice of Law and Jurisdiction	14
Warranty Return Procedure	14
Accommodation Return Procedure	15

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Combustion Controls

Pricebook Version 17.0

1.0 • Quick Reference

Order Processing

5.0.2 • A $50 minimum order amount is required.
5.0.6 • ALL Same Day shipping requests will be assessed a $35.00 Expedite Fee.
5.0.1 • State Sales tax may be assessed unless an exemption certificate is forwarded to Dungs prior to order processing.
4.0.4 • A Cancellation Fee may be assessed for orders cancelled after order-entry at the Company's discretion.
page 3 • Expedited airfreight charges may be quoted for non-stock and Stock Class "C" items as an alternative to standard sea-freight.

Shipping

6.0.1 • Standard terms are FCA Blaine, Minnesota.
6.0.5 • Transfer of Title occurs once product leaves the Karl Dungs dock.
5.0.6 • Normal shipping hours: 8:00am-1:30pm Central Time.
5.0.6 • Orders that require shipment same day will be assessed a $35.00 expedite fee. Same day shipping is subject to company discretion.

Exports

5.0.3 • Orders requesting direct shipment to a destination outside the contiguous United States, Alaska or Hawaii may be subject to processing, shipping and exportation fees as determined by the company.
5.0.3 • Prior to incurring costs, Karl Dungs will provide an estimate to the purchaser for approval. In lieu of a formal quote a minimum of $75 export paperwork fee can be expected.

Payment

5.0.2 • Standard terms are Net 30 days subject to approved credit.
• MasterCard, Visa, American Express and Discover are accepted.

15.0.1 **Accommodation and Warranty Returns**

• A Return Authorization (RA) number must be obtained from Dungs prior to the return of any product to Dungs. Please refer to the enclosed RA form. Purchaser assumes all carrier charges and responsibility for damages in transit unless preauthorized by Karl Dungs, Inc.
15.0.3 & 16.0.4
• RA numbers are valid for 30 Days. If returned goods are not received within 30 days, the RA number is cancelled and a new RA number must be obtained.
16.0.1 • Accommodation return consideration may not be allowed for assembled items and non-stock products.
16.0.3 • A minimum 15% Restock Fee will be assessed for accommodation if the return product is new, unused and in its original container.
16.0.4 • Request for evaluation for failure mode may be assessed a minimum $50 evaluation fee if the product is not under warranty. Contact Customer Service for evaluation fee quote.
15.0.3 • Replacement units will be shipped with normal charges until the returned product can be evaluated by Dungs.

16.0.1 • Nonstock/special order items (items not listed in the price book) cannot be cancelled once the purchase order is accepted and acknowledged. Nonstock/special order items cannot be returned under the accommodation return policy. All sales are final.

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Combustion Controls

Pricebook Version 17.0

2.0 • Stock Class Definitions

Stock Class A:	Normally carried in stock for shipment within 5 business days *Call Customer Service for delivery information
Stock Class B:	Modest inventory carried in stock *Call Customer Service for delivery information
Stock Class C:	Not normally carried in stock *Call Customer Service for lead time
Stock Class NP:	New Product *Call Customer Service for lead time
Stock Class O:	Obsolete item *Available while inventory lasts

STOCK CLASSIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

*Product availability can be confirmed at the time of order. Lead time for items not in stock can exceed 16 weeks without expediting shipments. Lead times may be improved subject to items already in transit or expediting a shipment with a charge. Please contact Customer Service for assistance.

DUNGS®
Combustion Controls

Pricebook Version 17.0

Standard Terms and Conditions

3.0 GENERAL

3.0.1 These Standard Terms and Conditions (these "Terms") of Karl Dungs, Inc., a Minnesota corporation (the "Company"), apply to all business relations of the Company with each customer (a "Customer"), including contracts for the sale or supply of goods, as defined by the Minnesota Uniform Commercial Code (the "UCC") at Minnesota Statutes Section 336.2-105, and contracts for services. These Terms shall apply to all transactions within the scope of the UCC, to all transactions involving services performed or to be performed by the Company, and to all other sale, service or business transactions with the Company unless otherwise agreed in writing. Goods sold or supplied by the Company are referred to in these Terms as "Products."

3.0.2 If these Terms have been provided to a Customer, the version of these Terms most recently provided to the Customer in writing shall also apply to similar future contracts between the Company and the Customer without the Company having to recite or refer to them each time a similar contract is entered into. If these Terms have not been provided to a Customer, the version of these Terms posted on the Company's website at the time an order is placed by the Customer shall apply to contracts between the Company and the Customer except to the extent otherwise agreed in writing or as may be otherwise required by Section 336.2-207 of the UCC. No waiver or modification of any of these Terms shall be binding on the Company unless such waiver or modification is specified in writing and signed by an officer of the Company.

3.0.3 All Company proposals, all acceptances of any order from a Customer, and all sales by the Company and contracts for services to be performed by the Company are expressly limited and made conditional upon the Customer's acceptance and assent to these Terms, notwithstanding receipt or acknowledgement by the Company of the Customer's order form or specifications containing additional or different provisions, or any conflicting oral representations by any employee or agent of the Company. Any terms or conditions contained in any order, invoice, payment memorandum, or other notification from a Customer that are inconsistent with or additional to these Terms shall not be binding on the Company unless expressly accepted by the Company in writing. The Company shall not be bound by any such inconsistent or additional terms or conditions even if the Company has knowledge of such inconsistent or additional terms or conditions and the agreement entered into between the Company and the Customer contains no specific rejection of such terms or conditions.

3.0.4 In the event of a conflict between these Terms and the provisions of any written agreement entered into by the Company and a Customer (including exhibits, addenda and amendments to any agreement), the written agreement between the Company and the Customer shall take precedence over these Terms. In the event of a conflict between these Terms and the terms of any oral agreement between the Company and a Customer, these Terms shall take precedence unless the conflicting terms of the oral agreement are confirmed in writing by the Company.

3.0.5 Any notice or declaration from a Customer to the Company following offer and acceptance of a contract (including any notice of defect, rejection of Products or deliveries, revocation of acceptance, or demand for modification or rescission) must be given in writing in order to be effective.

3.0.6 The UCC and any other applicable statutory provisions shall govern transactions between the Company and each Customer relating to the sale of Products, except to the extent otherwise agreed by the Company and the Customer in writing or to the extent modified or excluded by these Terms.

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Combustion Controls

Pricebook Version 17.0

4.0 OFFER AND ACCEPTANCE OF CONTRACTS FOR PRODUCTS

4.0.1 Possession by a Customer of the Company's catalog or literature shall not be construed as an offer by the Company to sell any Products listed in such materials. Offers made by the Company are subject to change and are non-binding. To the extent that any Company action may under applicable law constitute an offer to sell Products (such as furnishing a Customer with product descriptions, catalogues, technical documentation, drawings, plans, calculations, pricing or references to industry standards, whether in writing or in electronic form), such offers are subject to change and are non-binding.

4.0.2 A Customer's purchase order for Products constitutes a binding offer to enter into a contract. All Customer orders are subject to acceptance by the Company at the Company's principal office at 3890 Pheasant Ridge Drive NE, Blaine, MN 55449. Unless otherwise set forth in the purchase order, the Company shall have the right to accept any such offer within two weeks after the date of receipt by the Company of the purchase order. The Company's acceptance may be given either by written acceptance or order confirmation or by delivery of Products to the Customer. The Company's delivery of nonconforming Products does not constitute an acceptance if the Company seasonably notifies the Customer that the delivery is offered only as an accommodation to the Customer.

4.0.3 All price quotations and cost estimates provided by the Company to a Customer, and all related product specifications, drawings, formulas, illustrations, calculations, brochures, catalogues, models, tools and other documents and auxiliary devices furnished or made available to the Customer by the Company, constitute confidential and proprietary information of the Company. The Company expressly reserves all ownership rights and copyright interests in such information and materials. Without the Company's express prior written consent, no Customer shall disclose any such information or materials to any third party nor make the content thereof accessible to any third party or to the general public. No Customer shall use or duplicate such information or materials, directly or indirectly, without the express prior written consent of the Company. If the Company so requests, a Customer shall return any such information or materials to the Company and destroy any copies that may have been made by the Customer if such information or materials are no longer required by the Customer in the ordinary course of the Customer's business or if negotiations between the Company and the Customer have not led to the formation of a contract.

4.0.4 If, for any reason, a Customer desires to cancel an order, such cancellation shall be permitted only upon the express written consent of the Company and at the Company's discretion. If the Company consents to the cancellation of an order, the Company may charge the Customer for all costs incurred, including without limitation materials, labor, overhead and reasonable profit.

4.0.5 Returns and restocking charges are addressed in the Karl Dungs, Inc. Warranty Return Policy and Procedure, set forth as Section 15.0 below, and in the Karl Dungs, Inc. Accommodation Return Policy and Procedure, set forth in Section 16.0 below.

DUNGS®
Combustion Controls

Pricebook Version 17.0

5.0 PRICES AND PAYMENT FOR PRODUCTS

5.0.1 Unless otherwise agreed in writing, prices for Products stated in the Company's pricebook that are current on the date a contract is accepted shall apply. All prices are based on standard domestic packaging. For special packaging or handling requirements, the Customer must contact the Company for pricing. The Customer shall pay all costs of shipping from the Company's premises in Blaine, Minnesota and the cost of any shipping insurance desired by the Customer. Prices stated in the Company's pricebook are exclusive of any applicable sales or use taxes. Any taxes, customs, charges, and other public levies shall be borne by the Customer.

5.0.2 All prices stated in the Company's pricebook are subject to change without notice. Minimum billing is $50.00 USD. The net purchase price for Products ordered shall be due and payable by the Customer within thirty (30) days from date of invoice. All purchases are subject to approved credit or credit card payment and subject to availability. Shipments can be expedited, prior to establishing credit, by including check with order for full amount, specifying CREDIT COLLECT or by credit card payment, subject to availability. Progress payments may be required on larger orders at the Company's discretion.

5.0.3 Orders originating outside the contiguous United States, Alaska, Hawaii or Canada shall be subject to payment in cash in advance or pre-approved credit terms. Orders requesting direct shipment to a destination outside the contiguous United States, Alaska or Hawaii may be subject to processing, shipping and exportation fees, as determined by the Company, including an export paperwork fee at a minimum amount of $75.00 USD. Prior to incurring export costs, the Company will provide an estimate to the Customer for approval in lieu of a formal quotation.

5.0.4 The Company shall accept payments by check from any Customer only if such payment method is expressly agreed upon in advance in writing. The Company reserves the right to require another method of payment at any time. The Customer shall promptly reimburse the Company for any bank charges or other costs related to checks returned for nonpayment. The Company reserves the right, at any time, to make delivery of Products in whole or in part on an advance payment basis only. The Company shall give the Customer notice of such requirement in the applicable order confirmation.

5.0.5 Prices stated in the Company's pricebook are for quantities released per shipment. To qualify for quantity discount pricing, Products purchased must have:

(a) one purchase order with one purchase order number;
(b) one bill-to and one ship-to address; and
(c) one set of freight terms.

5.0.6 Modifications to blanket order purchases are subject to Company approval. Normal shipping hours are 8:00 a.m. to 1:30 p.m. Central Time. Orders that require same day shipment will be assessed a $35.00 USD expedite fee and are subject to Company approval. Same day shipment requests are subject to Company approval. Any approval by the Company under this subsection shall be at the Company's sole discretion.

5.0.7 The Company reserves the right to ship any of the Company's combustion controls ("Controls") and invoice for the order even though minor components are on backorder, if the missing items are late due to circumstances beyond the Company's reasonable control and if the missing components will not prevent initial installation work by the Customer. If a Customer requires a complete shipment, the words "SHIP COMPLETE" must be specified on the purchase order.

5.0.8 The Company shall have the right, at the Company's sole discretion, to add a finance charge at a periodic rate of 2% per month (annual percentage of 24%) or the maximum rate permitted by law, whichever is less, to the amount of any unpaid invoices over 60 days old, with finance charges accruing from the date of the invoice. The Company reserves the right to recover damages for any default by a Customer and to pursue all other remedies available to the Company under the UCC.

5.0.9 Except as provided in subsection 9.0.5 of these Terms, no Customer shall have the right to offset against any payment due to the Company for claims that the Customer may have against the Company.

5.0.10 If the Company discovers that a Customer is insolvent after a contract has been accepted, the Company may refuse delivery of Products ordered except upon advance payment for such Products and for any Products previously delivered under the contract, together with all other rights and remedies available to the Company under the UCC, including without limitation Section 336.2-702.

6.0 DELIVERY OF PRODUCTS

6.0.1 All Products purchased from the Company, unless otherwise agreed by the Company and the Customer in writing, shall be shipped for delivery FCA the Company's premises in Blaine, Minnesota to the destination requested by the Customer, and the Customer assumes responsibility for damage or loss in transit. Unless otherwise agreed in writing, the Company shall determine, in the Company's sole discretion, the method of shipping, including the carrier, the shipping route and the packaging of Products for shipment. The Company shall not be liable or responsible for any loss by reason of the selected mode or route of shipment.

6.0.2 The Company's estimated time of delivery of Products purchased is understood to be from date of receipt of all necessary information, including credit approval, bill-to and ship-to addresses, approved blueprints or schematics (if any), and the Customer's approval, if applicable. Any delay in delivery of any installment shall not relieve the Customer of the Customer's obligation to accept remaining deliveries. Revisions made to an order after initial processing are subject to Company review and may add to or delay delivery dates previously estimated.

6.0.3 Statements made by the Company regarding the delivery period for any purchased Products are estimates only and are non-binding unless a delivery deadline is expressly agreed upon or stated by the Company in writing upon acceptance of a purchase order. Upon acceptance of a contract by the Company, the Company's obligation with respect to any agreed upon date of delivery is conditioned upon the Customer providing all technical and commercial information requested by the Company relating to the item for delivery on a timely basis and the Customer performing all of its obligations in connection with the contract, including making any payments that become due prior to the date of delivery and using commercially reasonable efforts to cooperate with the Company in making delivery. If a Customer fails to perform such obligations on a timely basis, the delivery period shall be extended accordingly.

6.0.4 The Company shall not be liable to Customer for damages nor for breach or cancellation of any contract as a result of any delay in delivery due to circumstances beyond the Company's reasonable control ("Force Majeure Events"). For purposes of this subsection, Force Majeure Events shall include, without limitation, acts of God or nature, acts of Customer, embargo or other governmental acts, regulations or requirements, fires, floods, storms, accidents, labor disturbances, war, civil disturbances or terrorism, vandalism or other aggression, delay in transportation, failure or interruptions in power, communications, satellite, Internet or other networks, or unavailability of parts, materials, labor, manufacturing facilities, equipment or supplies. The Company's noncompliance with a binding delivery deadline or the Company's failure to deliver, in whole or in part, shall not constitute a breach of contract if the Company's performance has been made impracticable by the occurrence of a contingency the nonoccurrence of which was a basic assumption on which the contract was made or by the Company's compliance in good faith with any applicable foreign or domestic governmental regulation or order, whether or not such regulation or order later proves to be invalid.

6.0.5 The Company's responsibility for delivery of Products shipped FCA the Company's premises in Blaine, Minnesota shall end when a receipt is obtained by the Company from the carrier or freight forwarder. THE CUSTOMER SHALL NOTIFY THE COMPANY OF ANY SHORTAGE OR BREAKAGE OF DELIVERED PRODUCTS WITHIN FIFTEEN (15) DAYS FROM RECEIPT. IN THE EVENT OF LOSS OR EXCHANGE INCURRED IN TRANSIT, THE CUSTOMER SHALL MAKE ANY CLAIM AGAINST THE CARRIER OR FREIGHT FORWARDER FOR PRODUCTS LOST OR BROKEN IN SHIPMENT.

6.0.6 Except as provided in these Terms, the determination as to whether the Company is in default in delivery shall be governed by applicable provisions of the UCC. In no event, however, shall the Company be held to be in default unless a warning notice was given by the Customer to the Company in writing prior to the delivery deadline.

6.0.7 Nothing in this Section 6.0 shall limit or affect the Company's rights under the UCC or other applicable law with respect to the impossibility or unavailability of performance by the Company under any contract.

6.0.8 Products delivered by the Company shall be deemed accepted by the Customer when: (i) the Customer signifies acceptance in any commercial manner, (ii) fails to make an effective rejection under UCC Section 336.2-602, or (iii) does any act inconsistent with the Company's ownership of the Products, including without limitation:

(a) any Products are resold by the Customer to a third party or provided to a third party for use; or
(b) any Products are installed, incorporated or combined with other products or materials by the Customer or with the approval of the Customer; or
(c) any Products are used in a manner going beyond inspection or testing, either by the Customer or by third parties with the approval of the Customer; or
(d) delivery is accepted by the Customer's customer.

If any contract with a Customer or any applicable UCC provision calls for an earlier date for the deemed acceptance by the Customer of Products delivered by the Company, such earlier date shall govern. Acceptance of a part of any commercial unit of Products is acceptance of that entire unit.

6.0.9 The risk of loss with respect to any Products shall pass to the Customer at the latest when the Products are accepted by the Customer. If a specific acceptance procedure has been agreed upon in writing between the Company and a Customer, such procedure shall determine when the risk of loss passes to the Customer at the latest.

6.0.10 If a Customer wrongfully rejects Products or wrongfully revokes acceptance of Products, fails to signify acceptance of Products that are delivered by the Company in compliance with any contract, repudiates a contract or otherwise fails to cooperate in an agreed upon acceptance procedure, or if the Company's performance is delayed or prevented by reason of the Customer's breach, the Company shall be entitled to all remedies available under the UCC, including damages and the recovery of storage costs and other expenses resulting from the Customer's breach.

7.0 RESERVATION OF SECURITY INTEREST IN PRODUCTS

7.0.1 Pending payment in full of all amounts owing to the Company under any contract with a Customer for the sale of Products, the Company reserves a security interest in the Products sold and shall have all rights and remedies of a secured creditor under UCC Article 9 with respect to such Products. The Customer hereby consents to the filing by the Company of one or more financing statements to perfect the Company's security interest in such Products.

7.0.2 Until a Customer makes full payment for Products purchased under any contract with the Company, the Customer shall not grant any other security interest in such Products to a third party nor pledge its rights under the contract to a third party without the prior written consent of the Company. The Customer shall give the Company prompt written notice of any bankruptcy or insolvency filing by or against the Customer, any assignment by the Customer for the benefit of creditors, or any attachment or seizure by a third party of any Products subject to the Company's security interest.

7.0.3 In the event of a default in payment or other breach of contract by a Customer, the Company shall have all rights and remedies available under UCC Section 336.2-703 in addition to its rights as a secured creditor under UCC Article 9.

7.0.4 Pending revocation by the Company pursuant to subsection 7.0.4(c) below, the Customer may resell or install Products subject to the Company's security interest in the ordinary course of the Customer's business. In such event, the provisions set forth below shall apply to such resale or installation.

(a) The Company's security interest in such event shall extend to any products created or improved through installation of the Products, subject only to the rights of any third parties.

(b) The Customer assigns to the Company, as additional security, the Customer's rights to payment from any third party purchaser arising from the resale of the Products or of the product created or improved. The Company accepts such assignment. The obligations of the Customer set forth in subsection 7.0.2 above shall apply with regard to the rights so assigned to the Company.

(c) The Customer shall be entitled to collect any payment owing on the resale. The Company shall not undertake to collect such payment from the third party purchaser so long as the Customer complies with its payment obligations to the Company under its contract and provided that the Customer is not insolvent or does not become insolvent. In the event that the Customer is in breach of its payment obligations to the Company or becomes insolvent, the Company shall have the right to demand that the Customer provide all information about the third party purchasers necessary for collection, deliver resale documents to the Company, and notify the third party purchasers of the assignment. In addition, in such event, the Company shall have the right to revoke the Customer's authorization to resell or install the Products subject to the Company's security interest.

(d) If the realizable value of the assignment made by the Customer under subsection 7.0.4(b) above exceeds the dollar amount of the Company's unpaid invoices by more than ten percent (10%), the Company shall release the excess portion of such assignment if the Customer so requests.

8.0 REJECTION OF NONCONFORMING PRODUCTS

8.0.1 A Customer's right to reject nonconforming Products shall be governed by applicable provisions of the UCC except as specifically provided in this Section 8.0. The Customer's right to reject Products as defective or nonconforming to the contract must be exercised within a reasonable time after their delivery or tender and shall be ineffective unless the Customer seasonably notifies the Company of the claimed defect or nonconformity with particularity. A Customer's failure to describe a particular defect in connection with the Customer's rejection of Products shall preclude the Customer from relying on the unstated defect to justify rejection or to establish breach by the Company if the defect was ascertainable by reasonable inspection and the Company could have cured the defect or nonconformity if seasonable notice had been given by the Customer.

8.0.2 The Customer has an obligation to inspect all Products delivered or tendered and to give notice to the Company of any claimed defects or nonconformity within a reasonable time, whether the defect becomes apparent during such inspection or at a later date. Notice shall be deemed to be given within a reasonable time if given within two weeks after the Customer discovers or should have discovered the defect. The Customer shall in any event give notice to the Company of any obvious defects or nonconformity (including incorrect deliveries and short shipment) in writing within two weeks of delivery. The burden is on the Customer to establish that any defect or nonconformity exists with respect to any Products accepted by the Customer. If the Customer fails to conduct a proper inspection or fails to give notice to the Company of a defect within a reasonable time, the Company shall have no liability to the Customer with respect to the particular defect not disclosed to the Company.

8.0.3 Any claim by a Customer for contract damages related to defective or nonconforming Products shall be subject to the limitations set forth in Section 11.0 below.

9.0 LIMITED WARRANTY ON CONTROLS THEMSELVES (EXCLUDING SERVICES)

9.0.1 The Company warrants to the original purchaser, for a period of one (1) year from date of invoice or two (2) years from date of manufacture, whichever is greater, that Controls manufactured by the Company or Karl Dungs GmbH & Co. KG will be free from defects in material or workmanship and will perform at rated capacity as stated only: (i) when properly installed, connected and started in accordance with current Company instructions and/or current Company Information Guides, as revised from time to time, (ii) when used for the applications specified by the Company and used in the environment as specified or as limited by the Company, and (iii) when in normal use, service and maintenance. Normal use, service and maintenance means:

(a) Not in excess of the minimum and/or maximum pressures, temperatures, volumes and rated capacities or other parameters specified in the Company's Product Bulletin, Specification Sheets, and/or quotation(s);
(b) Using only fluids specified in the Company's Product Bulletin, Specifications Sheets, and/or quotation(s); and
(c) Operated and maintained in compliance with the current Company instructions and/or current Company Information Guides, as revised from time to time.

9.0.2 Due to the nature of fuel-fired equipment and the Controls and accessories for fuel-fired equipment, there will always exist an explosion and fire hazard in the use of such equipment. To minimize such hazard, the Company's Controls and associated equipment and accessories must be installed, operated and maintained in accordance with the appropriate instruction(s) and/or Information Guide(s), as revised from time to time. Purchasers of the Company's Controls and other Products waive subrogation on all claims covered under their own insurance or other available insurance.

9.0.3 The limited warranty in this Section 9.0 does not apply to sensors and limited life electrical components such as batteries, fuses, lamps and the like. In addition, the Company accepts responsibility only for Controls manufactured by the Company or Karl Dungs GmbH & Co. KG. However, the Company will extend to the original purchaser the benefit of whatever warranty is extended by the manufacturer for non-Dungs manufactured products. This warranty shall not apply to any defect resulting from negligence or accident, improper or inadequate storage or maintenance by the original purchaser or any third party, unauthorized modifications, or misuse.

9.0.4 In addition, the limited warranty in this Section 9.0 does not apply to loss or damage caused by any or all of the following circumstances or conditions:

(a) freight damage;
(b) parts and/or accessories or components not obtained from or approved by the Company;
(c) any consequential or incidental damages arising from the use of Controls, systems or other Products manufactured or sold by the Company; or
(d) misapplication, misuse, abuse, or failure to follow the Company's Product Bulletins or Specification Sheets.

9.0.5 Remedies for breach of the limited warranty in this Section 9.0 shall be limited to the repair or replacement, without charge for labor or materials, of any item found upon examination by the Company to have been defective, and shall not include field installation costs, if any, involved in the exchange. Such remedies shall be conditioned upon receipt of written notice by the Company from the original purchaser of any alleged defects promptly after the original purchaser's discovery thereof within the warranty period. Generally, the Company's consent, if given, will be upon the condition that the original purchaser assumes and prepays all carrier charges. The Company shall have the option, in its sole discretion, to either repair the defect in the item delivered or to supply a replacement item without the defect. The Company reserves the right to condition its repair or replacement upon payment by the original purchaser of the purchase price due, if any, subject to the original purchaser's right to a deduction under UCC Section 336.2-717. If the Company elects to cure any defect by providing repair services, the original purchaser shall permit the Company sufficient time and opportunity to perform such services and shall deliver to the Company for such purpose the item or items with the claimed defect. If the Company elects to provide a replacement item, the Customer shall return the defective item to the Company in exchange for the replacement item.

9.0.6 THE LIMITED WARRANTY IN THIS SECTION 9.0 IS EXTENDED BY THE COMPANY ONLY TO ORIGINAL PURCHASERS OF CONTROLS MANUFACTURED BY THE COMPANY OR KARL DUNGS GMBH & CO. KG AND IS VALID ONLY FOR CONTROLS USED WITHIN THE UNITED STATES OR CANADA. THE LIMITED WARRANTY AND REMEDIES SET FORTH IN THIS SECTION 9.0 ARE EXCLUSIVE AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, ARE HEREBY EXCLUDED. The Company shall not be liable to the Customer or any third party for any incidental, indirect, special, punitive or consequential damages of any kind (including without limitation lost profits or revenues), whether or not any such damages may have been foreseeable, except as provided in UCC Section 336.2-719(3). No person, including any dealer or representative of the Company, is authorized to make any representations concerning Company products or systems on behalf of the Company or to assume for the Company the obligations contained in the limited warranty in this Section 9.0. The Company reserves the right to make design and other changes, modifications or improvements upon its products or systems, without any obligation to install the same on any previously sold or delivered products or systems.

9.0.7 The limited warranty in this Section 9.0 does not apply to any services performed or to be performed by the Company, including without limitation any field services, technician services or engineering services, whether provided as part of a service contract or performed as warranty repair work on covered Products.

DUNGS®
Combustion Controls

Pricebook Version 17.0

10.0 CONTRACTS FOR SERVICES

10.0.1 Contracts with the Company for the performance of services (including, without limitation, consulting, training, engineering, assembly, maintenance and repair) shall be governed by these Terms except where applicability is expressly related only to the sale of Products. The Company shall be obligated to perform only those services described in each contract for services. The standard of care for all services to be performed by employees, contractors and subcontractors of the Company shall be the skill and care used by members of the same profession practicing under similar circumstances at the same time and in the same locality. The Company makes no other warranties, express or implied, under these Terms or otherwise, in connection with the Company's services. The Company shall not be responsible for the acts or workmanship of any of the Customer's own employees, contractors, consultants or agents for any work done in connection with the Company's services, even if such work is done under the Company's supervision. The Company shall not be liable to any Customer or any employees or invitees of the Customer for any loss or injury to persons or property caused in whole or in part by the negligence of the Customer or its employees, contractors or suppliers. The Company may assign its own employees or one or more independent contractors, at the Company's discretion, to perform any services under a contract with the Customer.

10.0.2 Fees and other charges payable to the Company for services shall be as set forth in the contract for services. Any contract that specifies only "time and materials" or words to that effect shall be invoiced at the Company's standard hourly rates at the time that the services are performed. The Customer shall be responsible for payment of any sales or use tax imposed on the Company's services. Unless otherwise specified in a contract for services, invoices for fees and other charges shall be issued by the Company upon completion of the work unless the period of services extends beyond thirty (30) days, in which event invoices shall be issued on a monthly basis for services performed in the preceding calendar month. Invoices shall be due and payable by the Customer within thirty (30) days from date of invoice. The Company shall accept payments by check from any Customer only if such payment method is expressly agreed upon in advance in writing. The Company reserves the right to require another method of payment at any time. The Customer shall promptly reimburse the Company for any bank charges or other costs related to checks returned for nonpayment. The Company shall have the right, at the Company's sole discretion, to add a finance charge at a periodic rate of 2% per month (annual percentage of 24%) or the maximum rate permitted by law, whichever is less, to the amount of any unpaid invoices over 60 days old, with finance charges accruing from the date of the invoice.

10.0.3 Unless otherwise specified in any written proposal by the Company for services, the proposal shall be valid for only sixty (60) days. If any proposal includes an estimate of fees and other charges, the estimate shall not be construed as a fixed price quotation and shall not be binding on the Company unless and until a written contract for services is executed that includes a fixed price. Fees and charges for services shall not include any necessary materials, supplies or replacement parts. If out of town travel is required in connection with any services, the Company shall be entitled to reimbursement from the Customer for reasonable out-of-pocket travel and lodging expenses incurred, in addition to fees and other charges.

10.0.4 If services are to be performed by the Company on the Customer's premises, the Customer shall be obligated to provide a safe and suitable location for such services and shall notify the Company in advance of any hazards or necessary safety precautions. If the Company is delayed in or prevented from performing services due to circumstance caused or the Customer or otherwise beyond the control of the Company, the Customer shall be responsible for payment of any additional costs related to such delay or prevention.

10.0.5 If a contract for services is entered into and the Customer elects to terminate the contract without cause or for convenience prior to completion, the Company shall be entitled to payment for services performed prior to the effective time of termination and reimbursement of expenses already incurred, together with an early termination fee equal to 15% of the fees for the services not performed, unless otherwise agreed in writing.

11.0 LIMITATION OF LIABILITY

11.0.1 It is expressly agreed that the Company's liability under the warranty set forth in Section 9.0 above is limited and the Company does not function as an insurer. Under no circumstance shall the Company be liable to the Customer or any third party for special, indirect or consequential damages. If the Company should be found liable to anyone under any theory (except any express warranty where the remedy is set forth in these Terms) for loss, harm or damage (whether relating to the sale of a Product or services performed to be performed by the Company), the liability of the Company shall be limited to the lesser of the actual loss, harm or damage, or the original purchase price paid for the involved equipment, system or service when sold (or when service performed) by the Company to the Customer. This liability is exclusive and regardless of cause or origin resulting directly or indirectly to person or property from:

(a) the performance or nonperformance of any obligation set forth in Section 9.0 above;
(b) any agreement, oral or written, including specifications, between the Company and the Customer;
(c) negligence, active, passive or otherwise, of the Company or any of its employees, agents or independent contractors;
(d) breach of any legally imposed warranty or covenant; or
(e) misrepresentation or strict liability involvement.

11.0.2 The terms of any Customer purchase order shall not modify or enlarge the Company's liability or obligations under these Terms.

12.0 STATUTE OF LIMITATIONS

12.0.1 Notwithstanding UCC Section 336.2-725, the period of limitations for any action by a Customer against the Company for breach of contract shall be one (1) year from the date that risk of loss passes to the Customer in any sale of Products or one (1) year from the date of completion of the last service performed by the Company in any contract for services.

12.0.2 The limitations period in subsection 12.0.1 above shall apply to all contractual and non-contractual claims by the Customer for damages, indemnification or defense, including claims based on a defect in the Products, except as provided in subsection 9.0.1 above, and unless the application of the normal statutory limitations period would result in a shorter period in an individual case.

13.0 SOFTWARE

In the event that computer software is provided by the Company as part of, or in connection with, the sale or service of any Products or in connection with the performance of any other services by the Company, the Company grants to the Customer a non-exclusive and non-transferable license to use such software, including any corresponding documentation, strictly for the intended purpose of such software with the item or items delivered. Use of any such software for any other purpose or on more than one system is prohibited without the prior written consent of the Company. The Customer shall not sublicense, sell, distribute, assign or grant to any third party rights to access or use of such software. The Customer shall not attempt to modify, reverse engineer, decompile or copy any part of such software. Subject only to the license granted to Customer, the software and any corresponding documentation shall remain the exclusive property of the Company or the Company's licensor. The Customer shall not remove any copyright notices, restrictive legends or other information relating to such software nor disable any protection against its unlicensed use.

Pricebook Version 17.0

14.0 CHOICE OF LAW AND JURISDICTION

These Terms and the contractual relationship between the Company and the Customer, and all rights and obligations of the Company and the Customer, shall be governed by and construed in accordance with the laws of the State of Minnesota, without giving effect to choice of law principles thereof and, to the extent applicable, the federal laws of the United States and any applicable export regulations. Uniform international laws, in particular the United Nations Convention on Contracts for the International Sale of Products, shall expressly not apply to these Terms or the contractual relationship between the Company and the Customer. Minnesota state and federal courts shall have exclusive jurisdiction over any disputes, litigation or other legal proceedings involving these Terms and the contractual relationship between the Company and the Customer, and any such proceedings shall be venued in the state or federal courts located in Hennepin County, Minnesota.

15.0 WARRANTY RETURN POLICY AND PROCEDURE

15.0.1 Warranty return of a Product is permitted if the Product is a Control is covered by the Limited Warranty set forth in Section 9.0 above and fails to perform to the specifications published by the Company. Warranty returns are subject to the limitations and other provisions of Section 9.0 above. The purpose of the Warranty Return Policy and Procedure is to improve customer service through establishment of a consistent system for the control of Products returned to the Company. We will make every effort possible to try to meet and exceed our customer's expectations for service. To meet these service expectations it is important that an RA (Return Authorization) number be assigned to all returned Products. Controls may be returned only upon prior written authorization of the Company for all Products returned to the Company. To obtain authorization for warranty return of Products purchased from a Distributor or a Representative contact the Distributor or Representative or Customer Service directly to obtain an RA number.

15.0.2 Instructions for Warranty Returns

1. Refer to the Limited Warranty provisions of Section 9.0 above for return of Products.
2. Obtain an RA number from Company Customer Service at 1-763-582-1700 or e-mail at: RMARequests@karldungsusa.com (if a replacement control is immediately required call rather than e-mail Customer Service).
3. Complete the RA form provided on the Price Book CD with the RA number obtained from Dungs and place a copy with the returned Product or Products.
4. Clearly mark the outside of all shipping cartons with the RA number.
5. Except for the valve train assemblies, all component pieces originally shipped with the control being returned must be returned in their entirety. For return of valve train assemblies or components of valve train assemblies contact DUNGS customer service.
6. Purchaser assumes all carrier charges and responsibility for damages in transit unless preauthorized by Karl Dungs, Inc.

15.0.3 Where a replacement Product is immediately required, the Company will ship a replacement unit and bill the Purchaser accordingly. If it is determined that it is a valid warranty and failed within the warranty period the replacement charge will be credited. If DUNGS has determined that it is a valid warranty and a replacment control has not been provided, a no charge replacement will be provided unless a credit is specifically requested. All returned materials require an RA number, issued by the Company. Products returned without this information may incur processing delays and may be returned freight collect to the shipper. Products must be returned to the Company within thirty (30) days from issuance of an RA number. If Products are not received within 30 days the authorization may become void and a new RA number will need to be obtained.

15.0.4 Packaging and Shipping Instructions for Warranty Returns

Package Products carefully and seal to prevent foreign materials from entering Product and damaging during transit. The Company is not responsible for damage incurred during transit or as result of insufficient packaging. Print the RA number legibly on the outside of ALL cartons in BOLD visible numbers. Reference RA number on any documentation returned with Product. Freight collect or COD returns will not be accepted unless approved by the Company in advance of shipment.

Contact the Company for additional information or assistance.
Phone: 763-582-1700
Fax: 763-582-1799
E-mail: RMARequests@karldungsusa.com

Ship all returns freight prepaid to:
Karl Dungs Inc.
3890 Pheasant Ridge Drive NE
Suite 150
Blaine, MN 55449

16.0 ACCOMMODATION RETURN POLICY AND PROCEDURE

16.0.1 Accomodation returns of Products may be permitted, within the sole discretion of the Company, when:

1. Product is ordered in error.
2. Product is incorrectly shipped.
3. Product is ordered correctly but later determined not to be needed.
4. Product is returned for repair.

Nonstock/special order items (items not listed in the price book) cannot be cancelled once the purchase order is accepted and acknowledged. Nonstock/special order items cannot be returned under the accommodation return policy. All sales are final. The purpose of the Accommodation Return Policy and Procedure is to improve customer service through establishment of a consistent system for the control of Products returned to the Company. We will make every effort possible to try to meet and exceed our customers' expectations for service. To meet these service expectations it is important that an RA (Return Authorization) number be assigned to all returned Products. Products may be returned only upon prior written authorization of the Company. To obtain authorization for return of Products purchased from a Distributor or a Representative contact the Distributor or Representative directly to obtain an RA number. If the material was purchased directly from the Company, please contact the Company Customer Service Department for an RA number.

16.0.2 Instructions for Accommodation Returns

1. Refer to the Warranty Return Policy and Procedure set forth in Section 15.0 above for general return requirements.
2. Obtain an RA number from Company Customer Service at 1-763-582-1700 or e-mail at: RMARequests@karldungsusa.com (if a replacement control is immediately required call rather than e-mail Customer Service).
3. Complete the RA form provided in the Price Book with the RA number obtained from Dungs and place a copy with the returned Product or Products.
4. Clearly mark the outside of all shipping cartons with the RA number.
5. Except for valve train assemblies, all component pieces originally shipped with the control being returned must be returned in their entirety. For return of valve train assemblies or components of valve trains assemblies contact DUNGS customer service.

16.0.3 Generally, consent, if given, will be upon the condition the Purchaser assumes all carrier charges including; but not limited to: freight, duty and importation cost. The customer is also responsible for damages in transit, and a restocking charge, and then only if the so authorized material is in new and unused condition, in the original packaging and returned within three months (repairs exempted) from the original date of shipment. If a Product is returned for repair, the Company will return the Product under the same shipping terms that the Product was originally sent to the Company. Restocking charges apply to Products returned for credit and do not apply to repair returns. Restock charges are generally 15% of the purchase price but are subject to increase depending on the condition of the packaging, return date versus original shipment date, and other factors that may increase restock costs. For non-stock items, special order, and assemblies that were ordered specifically to a customer specification, returns may not be allowed, or restocking charges might be higher than they would be on a similar stocked Product. Non stock and special order items are those Products that are not listed in the Company price book pages.

16.0.4 Request for evaluation for failure mode may be assessed a minimum $50 evaluation fee if the Product is not under warranty. Contact Customer Service for evaluation fee quote. When it is necessary to return Products as a result of a Company error; full credit will be issued or the incorrect Product replaced providing the Product is new, unused, and in restockable condition. All returned materials require an RA number, issued by the Company, Products returned without this information may incur processing delays and may be returned freight collect to the shipper. Products must be returned to the Company within thirty (30) days from issuance of an RA number. If Products are not received within 30 days the authorization may become void and a new RA number will need to be obtained.

16.0.5 Packaging and Shipping Instructions for Accommodation Returns
Package Products carefully and seal to prevent foreign materials from entering Product and damage during transit. The Company is not responsible for damage incurred during transit or as result of insufficient packaging. Print the RA number legibly on the outside of ALL cartons in BOLD visible numbers. Reference the RA number on any documentation returned with Product. Freight collect or COD returns will not be accepted unless approved by the Company in advance of shipment.

Contact the Company for additional information or assistance.

Phone: 763-582-1700
Fax: 763-582-1799
E-mail: RMARequests@karldungsusa.com

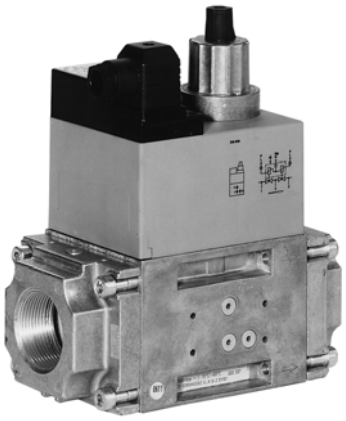
Ship all returns freight prepaid to:

Karl Dungs Inc
3890 Pheasant Ridge Drive NE Suite 150
Blaine, MN 55449



Dual Modular Valves

Product	Model	Page
Dual Modular Valves - DMV-D(LE)	US	1.1
Dual Modular Valves with Vent Line Adapter - DMV-D(LE)	US	2.1
Dual Modular Valves with Proof of Closure -DMV-D(LE)	US	3.1
Dual Modular Valves with Proof of Closure & Visual Indicator – DMV-D(LE)	US	4.1
Dual Modular Valves with Proof of Closure & Vent Line Adapter - DMV-D(LE)	US	5.1
Dual Modular Valves NEMA Type 4x - DMV-D(LE)	US	6.1
Dual Modular Valves NEMA Type 4x with Vent Line Adapter - DMV-D(LE)	US	7.1
Dual Modular Valves NEMA Type 4x with Proof of Closure - DMV-D(LE)	US	8.1
Dual Modular Valves NEMA Type 4x with Proof of Closure & Vent Line Adapter DMV-D(LE)	US	9.1
Dual Modular Valves High Capacity - DMV-D(LE)	US/EU	10.1
Dual Modular Valves Flanged version DMV 5…/ 602 ECO	US	11.1
Dual Modular Valves Flanged version with Proof of Closure DMV 5…/ 6x2 ECO	US	12.1
Dual Modular Valves NEMA Type 4 Flanged version DMV 5…/ 604 ECO	US	13.1
Dual Modular Valves NEMA Type 4 Flanged version with Proof of Closure DMV 5…/ 6x4 ECO	US	14.1
Dual Modular Valves Flanged Versions - DMV-D(LE) 5XXX Series	US/EU	15.1
Dual Modular Valves Flanged Versions - DMV-D(LE) 500XX Series	EU	16.1
Dual Modular Valves - DMV-D(LE)	EU	18.1
Dual Modular Valves Two Stage - DMV-ZRD(LE)	US	19.1
Dual Modular Valves Two Stage with Vent Line Adapter - DMV-ZRD(LE)	US	20.1
Dual Modular Valves Two Stage with Proof of Closure - DMV-ZRD(LE)	US	21.1
Dual Modular Valves Two Stage with Proof of Closure & Vent Line Adapter - DMV-ZRD(LE)	US	22.1
Gas MultiBloc – MBC-DLE		23.1
MultiBloc MBE ∗**New Product**∗	US	24.1



Description
The DUNGS Dual Modular Valve (DMV-D(LE)/602) combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models.

Application
The DMV/6 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Body sizes	DMV-D(LE) 701/602	DMV-D(LE) 702/602	DMV-D(LE) 703/602
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM,		5 PSI (360 mbar) CSA
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz		
	24 Vac/50 - 60 Hz; 24 Vdc		
Enclosure rating	NEMA Type 12		
Electrical connection	DIN-connector with 3/4" NPT conduit adapter		
Operating time	100 % duty cycle		
Ambient temperature rating	-40 °F to +150 °F (-40 °C to +65 °C)		

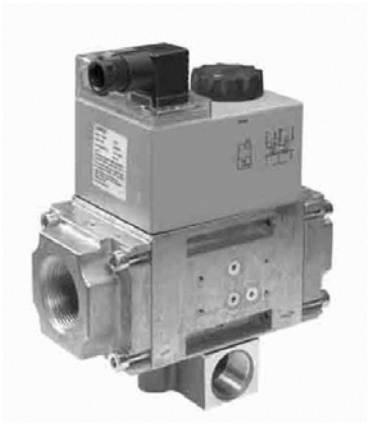
Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV-D 701/602	**224842**			1,037.23
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 FORMERLY: 224-842		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 4.60 2.09	
DMV-D 702/602	**224843**			1,262.55
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 FORMERLY: 224-843		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 10.20 4.63	
DMV-D 703/602	**224844**			1,451.19
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 FORMERLY: 224-844		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 11.80 5.36	

1 Dual Modular Valves - DMV-D(LE)

Model / Tech. Data	Order No.	List Price
DMV-D 701/602	**228220**	1,037.23
1/2“, 3/4“, 1“ NPT or Rp 24 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 238554 REPLACEMENT PWB: 238803 FORMERLY: 228-220	**Delivery Info** B **Product Group** 1 **Weight** (lbs.) 4.60 **Weight** (Kg.) 2.09	
DMV-D 702/602	**228221**	1,262.55
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 12 REPLACEMENT COIL: 238825 REPLACEMENT PWB: 238806 FORMERLY: 228-221	**Delivery Info** B **Product Group** 1 **Weight** (lbs.) 10.20 **Weight** (Kg.) 4.63	
DMV-D 703/602	**228222**	1,451.19
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 12 REPLACEMENT COIL: 238822 REPLACEMENT PWB: 238806 FORMERLY: 228-222	**Delivery Info** B **Product Group** 1 **Weight** (lbs.) 11.80 **Weight** (Kg.) 5.36	
DMV-D 701/602	**226990**	1,037.23
1/2“, 3/4“, 1“ NPT or Rp 24 Vdc (+10%/-15%) 45 VA, NEMA Type 12 REPLACEMENT COIL: 238829 REPLACEMENT PWB: 238804 FORMERLY: 226-990	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 4.60 **Weight** (Kg.) 2.09	
DMV-D 702/602	**226991**	1,262.55
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vdc (+10%/-15%) 65 VA, NEMA Type 12 REPLACEMENT COIL: 238826 REPLACEMENT PWB: 238807 FORMERLY: 226-991	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 10.20 **Weight** (Kg.) 4.63	
DMV-D 703/602	**226992**	1,451.19
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vdc (+10%/-15%) 80 VA, NEMA Type 12 REPLACEMENT COIL: 238823 REPLACEMENT PWB: 238807 FORMERLY: 226-992	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 11.80 **Weight** (Kg.) 5.36	
DMV-DLE 701/602	**224845**	1,115.83
1/2“, 3/4“, 1“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 Replacement Hydraulic Brake: 240458 FORMERLY: 224-845	**Delivery Info** A **Product Group** 1 **Weight** (lbs.) 4.80 **Weight** (Kg.) 2.18	
DMV-DLE 702/602	**224846**	1,341.15
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 224-846	**Delivery Info** A **Product Group** 1 **Weight** (lbs.) 10.40 **Weight** (Kg.) 4.72	

Model / Tech. Data	Order No.			List Price
DMV-DLE 703/602	**224847**			1,529.79
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 224-847		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 12.00 5.45	
DMV-DLE 701/602	**228223**			1,115.83
1/2“, 3/4“, 1“ NPT or Rp 24 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 238554 REPLACEMENT PWB: 238803 Replacement Hydraulic Brake: 240458 FORMERLY: 228-223		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 4.80 2.18	
DMV-DLE 702/602	**228224**			1,341.15
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 238825 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 228-224		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 10.40 4.72	
DMV-DLE 703/602	**228225**			1,529.79
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 238822 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 228-225		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 12.00 5.45	
DMV-DLE 701/602	**226993**			1,115.83
1/2“, 3/4“, 1“ NPT or Rp 24 Vdc (+10%/-15%) 45 VA, NEMA Type 12 REPLACEMENT COIL: 238829 REPLACEMENT PWB: 238804 Replacement Hydraulic Brake: 240458 FORMERLY: 226-993		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 4.80 2.18	
DMV-DLE 702/602	**226994**			1,341.15
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vdc (+10%/-15%) 65 VA, NEMA Type 12 REPLACEMENT COIL: 238826 REPLACEMENT PBW: 238807 Replacement Hydraulic Brake: 240458 FORMERLY: 226-994		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 10.40 4.72	
DMV-DLE 703/602	**226995**			1,529.79
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 24 Vdc (+10%/-15%) 80 VA, NEMA Type 12 REPLACEMENT COIL: 238823 REPLACEMENT PBW: 238807 Replacement Hydraulic Brake: 240458 FORMERLY: 226-995		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 12.00 5.45	



Description
The DUNGS Dual Modular Valve with Vent Line Adapter (DMV-VLA) combines all the features of the DUNGS Dual Modular Valve with a factory installed vent line connection between the two automatic shutoff valves.
For main gas lines:
• Up to 1 1/2"; vent line must be 3/4"
• 2"; vent line must be 1"

Application
The DMV-VLA is recommended for industrial and commercial heating applications that require two safety shutoff valves in series with a vent line connection between the safety shutoff valves. The DMV-VLA is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to User Manual
Link to Data Sheet

Harmonized Code: 84814090

Specifications

Body sizes	DMV 701/602	DMV 702/602	DMV 703/602
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Vent Line Connection	3/4" NPT	1" NPT	1" NPT
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz; 24 Vdc		
Enclosure rating	NEMA Type 12		
Electrical connection	DIN-connector with 1/2" NPT conduit adapter		
Operating time	100 % duty cycle		
Ambient temperature rating	-40 °F to +150 °F (-40 °C to +65 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*		List Price
DMV-D 701/602 with VLA	**266969**		1,186.57
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 FORMERLY: 224-842V		**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 4.60 **Weight** (Kg.) 2.09	
DMV-D 702/602 with VLA	**266970**		1,411.89
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 FORMERLY: 224-843V		**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 11.60 **Weight** (Kg.) 5.27	
DMV-D 703/602 with VLA	**266971**		1,600.53
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 FORMERLY: 224-844V		**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 13.40 **Weight** (Kg.) 6.08	

1 Dual Modular Valves with Vent Line Adapter - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-DLE 701/602 with VLA	**266972**	1,265.17
1/2“, 3/4“, 1“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 Replacement Hydraulic Brake: 240458 FORMERLY: 224-845V	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 4.80 **Weight** (Kg.) 2.18	
DMV-DLE 702/602 with VLA	**266973**	1,490.49
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 224-846V	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 11.70 **Weight** (Kg.) 5.31	
DMV-DLE 703/602 with VLA	**266974**	1,679.13
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 224-847V	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 13.30 **Weight** (Kg.) 6.04	

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Description
The DUNGS Dual Modular Valve (DMV-D(LE)/622) combines all the features of the DUNGS Dual Modular Valve DMV-D(LE)/6 plus valve 2 incorporates overtravel and a proof of closure switch which is factory mounted and set.

Application
The DUNGS DMV/622 is recommended for industrial and commercial heating applications that require two safety shutoff valves with valve 2 Incorporating overtravel and a proof of closure switch. The DMV/622 is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Body sizes	DMV 701/622	DMV 702/622	DMV 703/622
Pipe size / thread	1/2" -1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA	
Max. close off pressure	10 PSI (700 mbar) UL, FM		
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz; 24 Vdc		
Enclosure rating	NEMA Type 12		
Electrical connection	DIN-connector with 1/2" NPT conduit adapter		
Operating time	100 % duty cycle		
Ambient temperature rating	-40 °F to +150 °F (-40 °C to +65 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. The visual indicator must be ordered separately for valve 1. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*			List Price
DMV-D 701/622	**267061**			1,377.83
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 FORMERLY: 243-761P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 4.60 2.09	
DMV-D 702/622	**267016**			1,603.15
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 FORMERLY: 230-791P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 10.20 4.63	
DMV-D 703/622	**267022**			1,791.79
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 FORMERLY: 230-793P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 11.80 5.36	

1 Dual Modular Valves with Proof of Closure - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-DLE 701/622	**267067**	1,456.43
1/2“, 3/4“, 1“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 Replacement Hydraulic Brake: 240458 FORMERLY: 244-000P	**Delivery Info** A **Product Group** 1 **Weight** (lbs.) 4.80 **Weight** (Kg.) 2.18	
DMV-DLE 702/622	**267019**	1,681.75
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 230-792P	**Delivery Info** A **Product Group** 1 **Weight** (lbs.) 10.40 **Weight** (Kg.) 4.72	
DMV-DLE 703/622	**267025**	1,870.39
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 230-794P	**Delivery Info** A **Product Group** 1 **Weight** (lbs.) 12.00 **Weight** (Kg.) 5.45	

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Description
The DUNGS Dual Modular Valve (DMV-D(LE)/622) combines all the features of the DUNGS Dual Modular Valve DMV-D(LE)/6 plus valve 2 incorporates overtravel and a proof of closure switch which is factory mounted and set. The Visual Indicator (VI) (266949) is factory mounted to Valve 1 (V1)

Application
The DUNGS DMV/622 is recommended for industrial and commercial heating applications that require two safety shutoff valves with valve 2 incorporating overtravel and a proof of closure switch. The DMV/622 is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

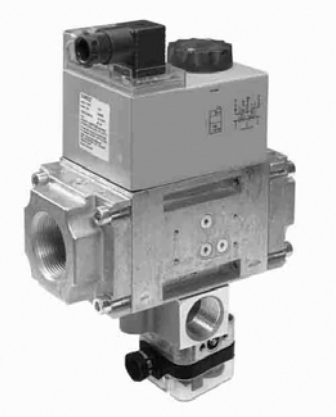
Specifications	
Body sizes	DMV 701/622 DMV 702/622 DMV 703/622
Pipe size / thread	1/2" -1" NPT or Rp 1" - 2" NPT or Rp 1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM 5 PSI (360 mbar) CSA
Max. close off pressure	10 PSI (700 mbar) UL, FM
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz 24 Vdc
Enclosure rating	NEMA Type 12
Electrical connection	DIN-connector with 1/2" NPT conduit adapter
Operating time	100 % duty cycle
Ambient temperature rating	-40°F to +150°F (-40°C to +65°C)

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. Factory mounted and calibrated proof of closure switch: Factory mounted visual indicator: SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; -40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*			List Price
DMV-D 701/622 with V.I.	**267062**			1,426.35
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 FORMERLY: 243-761PI		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 4.60 2.09	
DMV-D 702/622 with V.I.	**267017**			1,651.67
1", 1-1/4", 1-1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 FORMERLY: 230-791PI		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 10.20 4.63	
DMV-D 703/622 with V.I.	**267023**			1,840.31
1", 1-1/4", 1-1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 FORMERLY: 230-793PI		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 11.80 5.36	

1 Dual Modular Valves with Proof of Closure & Visual Indicator – DMV-D(LE)

Model / Tech. Data	*Order No.*			List Price
DMV-D 701/622 24VDC with V.I.	**273438**			1,539.22
1/2" 3/4" 1" NPT OR Rp 24VDC, 45 VA, NEMA TYPE 12 REPLACEMENT COIL: 238829 REPLACEMENT PWB: 238804		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 1 4.60 2.09	
DMV-D 702/622 24VDC with V.I.	**273439**			1,764.54
1/2" 3/4" 1" NPT OR Rp 24VDC, 65 VA, NEMA TYPE 12 REPLACEMENT COIL: 238826 REPLACEMENT PWB: 238807		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 1 10.20 4.63	
DMV-D 703/622 24VDC with V.I.	**273440**			1,953.18
1", 1-1/4", 1-1/2", 2" NPT OR Rp 24VDC, 90 VA, NEMA TYPE 12 REPLACEMENT COIL: 238823 REPLACEMENT PWB: 238807		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 1 11.80 5.36	
DMV-DLE 701/622 with V.I.	**267068**			1,504.95
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 Replacement Hydraulic Brake: 240458 FORMERLY: 244-000PI		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 4.80 2.18	
DMV-DLE 702/622 with V.I.	**267020**			1,730.27
1", 1-1/4", 1-1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 230-792PI		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 10.40 4.72	
DMV-DLE 703/622 with V.I.	**267026**			1,918.91
1", 1-1/4", 1-1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 Replacement Hydraulic Brake: 240458 FORMERLY: 230-794PI		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 1 12.00 5.45	



Description
The DUNGS Dual Modular Valve (DMV-D(LE)/622) incorporates overtravel and a proof of closure switch which is factory mounted and set with a Vent Line Adapter (VLA) that is also factory installed.
For main gas lines:
• Up to 1 1/2"; vent line must be 3/4"
• 2"; vent line must be 1"

Application
The DMV-VLA is recommended for industrial and commercial heating applications that require two safety shutoff valves with valve 2 Incorporating overtravel and a proof of closure switch and a vent line connection between the safety shutoff valves. The DMV-D(LE) is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to User Manual
Link to Data Sheet

Harmonized Code: 84814090

Specifications

Body sizes	DMV 701/622	DMV 702/622	DMV 703/622
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Vent Line Connection	3/4" NPT	1" NPT	1" NPT
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz; 24 Vdc		
Enclosure rating	NEMA Type 12		
Electrical connection	DIN-connector with 1/2" NPT conduit adapter		
Operating time	100 % duty cycle		
Ambient temperature rating	-40 °F to +150 °F (-40 °C to +65 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. The visual indicator must be ordered separately for valve 1. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*	List Price
DMV-D 701/622 with VLA	**267063**	1,527.17
3/4",1/2", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12 REPLACEMENT COIL: 232401 REPLACEMENT PWB: 238803 FORMERLY: 243-761VP	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 5.10 **Weight** (Kg.) 2.32	
DMV-D 702/622 W/VLA	**267018**	1,752.49
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12 REPLACEMENT COIL: 232402 REPLACEMENT PWB: 238806 FORMERLY: 230-791VP	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 10.70 **Weight** (Kg.) 4.86	
DMV-D 703/622 with VLA	**267024**	1,941.13
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 232403 REPLACEMENT PWB: 238806 FORMERLY: 230-793VP	**Delivery Info** C **Product Group** 1 **Weight** (lbs.) 12.30 **Weight** (Kg.) 5.58	

1 Dual Modular Valves with Proof of Closure & Vent Line Adapter - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-DLE 701/622 with VLA	**267069**	1,605.77

3/4“,1/2“, 1“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 45 VA, NEMA Type 12
REPLACEMENT COIL: 232401
REPLACEMENT PWB: 238803
Replacement Hydraulic Brake: 240458
FORMERLY: 244-000VP

Delivery Info	C
Product Group	1
Weight (lbs.)	5.20
Weight (Kg.)	2.36

DMV-DLE 702/622 with VLA	**267021**	1,831.09

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 12
REPLACEMENT COIL: 232402
REPLACEMENT PWB: 238806
Replacement Hydraulic Brake: 240458
FORMERLY: 230-792VP

Delivery Info	C
Product Group	1
Weight (lbs.)	10.80
Weight (Kg.)	4.90

DMV-DLE 703/622 with VLA	**267027**	2,019.73

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12
REPLACEMENT COIL: 232403
REPLACEMENT PWB: 238806
Replacement Hydraulic Brake: 240458
FORMERLY: 230-794VP

Delivery Info	C
Product Group	1
Weight (lbs.)	12.40
Weight (Kg.)	5.63



Description

The DUNGS Dual Modular Valve (DMV-D(LE)/604) combines two normally closed, automatic shutoff valves in one compact housing (Rated as a NEMA Type 4x enclosure), which can be wired independently or in parallel. Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models.

Application

The DUNGS DMV-D(LE)/604 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series with a NEMA Type 4x enclosure. The (DMV-D(LE)/604) is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Body sizes	DMV-D(LE) 702/604 & DMV-D(LE) 703/604	DMV-D(LE) 704/604
Pipe size / thread	1" - 2" NPT or Rp	2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM 5 PSI (360 mbar) CSA	
Max. close off pressure	10 PSI (700 mbar) UL, FM	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz	
Enclosure rating	NEMA Type 4x	
Electrical connection	Screw terminals with 1/2" NPT conduit connection	
Operating time	100 % duty cycle	
Ambient temperature rating	-20 °F to +140 °F (-30 °C to +60 °C)	(704) +5 °F to +140 °F (-15 °C to +60 °C)

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*		List Price
DMV-D 702/604L	**240610**		1,550.91
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 4x REPLACEMENT COIL: 246515 (Valve requires 2 coils, sold individually) FORMERLY: 240-610	**Delivery Info** C **Product Group** 2 **Weight** (lbs.) 10.20 **Weight** (Kg.) 4.63		
DMV-D 703/604L	**241436**		1,786.71
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 4x REPLACEMENT COIL: 246516 (Valve requires 2 coils, sold individually) FORMERLY: 241-436	**Delivery Info** C **Product Group** 2 **Weight** (lbs.) 11.80 **Weight** (Kg.) 5.36		
DMV-D 704/604	**293818**		2,677.51
2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 4X; CSA APPROVED ONLY REPLACEMENT COIL: 246517 (Valve requires 2 coils, sold individually) FORMERLY: 241-625	**Delivery Info** C **Product Group** 2 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08		

2 Dual Modular Valves NEMA Type 4x - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price

DMV-DLE 702/604L **240805** 1,631.89

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 4x
REPLACEMENT COIL: 246515
(Valve requires 2 coils, sold individually)
Replacement Hydraulic Brake: 240458
FORMERLY: 240-805

Delivery Info	C
Product Group	2
Weight (lbs.)	10.40
Weight (Kg.)	4.72

DMV-DLE 703/604L **241435** 1,867.69

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 4x
REPLACEMENT COIL: 246516
(Valve requires 2 coils, sold individually)
Replacement Hydraulic Brake: 240458
FORMERLY: 241-435

Delivery Info	C
Product Group	2
Weight (lbs.)	12.00
Weight (Kg.)	5.45

DMV-DLE 704/604 **293817** 2,758.49

2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 4X;
CSA APPROVED ONLY. REPLACEMENT COIL: 246517
(Valve requires 2 coils, sold individually)
Replacement Hydraulic Brake: 240458
FORMERLY: 241-617

Delivery Info	C
Product Group	2
Weight (lbs.)	26.60
Weight (Kg.)	12.08



Description
The DUNGS Dual Modular Valve (DMV-D(LE)/604) with a Vent Line Adapter (VLA) that is factory installed.
For main gas lines:
• Up to 1 1/2"; vent line must be 3/4"
• 2"; vent line must be 1"

Application
The DUNGS DMV-D(LE)/604 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series with a vent line connection between the safety shutoff valves and NEMA Type 4x enclosure. The DMV-D(LE)/604 is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Body sizes	DMV 702/604	DMV 703/604
Pipe size / thread	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Vent Line Connection	1" NPT	1" NPT
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz; 24 Vdc	
Enclosure rating	NEMA Type 4x	
Electrical connection	Screw terminals with 1/2" NPT conduit connection	
Operating time	100 % duty cycle	
Ambient temperature rating	-20 °F to +140 °F (-30 °C to +60 °C)	

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV-D 702/604L with VLA	**267046**			1,700.25
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 4x REPLACEMENT COIL: 246515 (Valve requires 2 coils, sold individually) FORMERLY: 240-610V		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 2 10.50 4.77	
DMV-D 703/604L with VLA	**241-436V**			1,936.05
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 4x REPLACEMENT COIL: 246516 (Valve requires 2 coils, sold individually) FORMERLY: 241-436V		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 2 12.10 5.49	
DMV-DLE 702/604L with VLA	**267047**			1,781.23
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 4x REPLACEMENT COIL: 246515 (Valve requires 2 coils, sold individually) Replacement Hydraulic Brake: 240458 FORMERLY: 240-805V		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 2 10.60 4.81	

2 Dual Modular Valves NEMA Type 4x with Vent Line Adapter - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-DLE 703/604L with VLA	**267049**	2,017.03

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 4x
REPLACEMENT COIL: 246516
(Valve requires 2 coils, sold individually)
Replacement Hydraulic Brake: 240458
FORMERLY: 241-435V

Delivery Info	C
Product Group	2
Weight (lbs.)	12.20
Weight (Kg.)	5.54



Description
The DUNGS Dual Modular Valve (DMV-D(LE)/624; 634) with Proof of Closure combines all the features of the DUNGS Dual Modular Valve DMV/604 plus overtravel and a proof of closure switch which is factory mounted and set.

Application
The DUNGS DMV/624;634 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series where the application requires overtravel and a proof of closure switch(s) and NEMA Type 4x enclosure. The DMV-D(LE) /624;634 is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

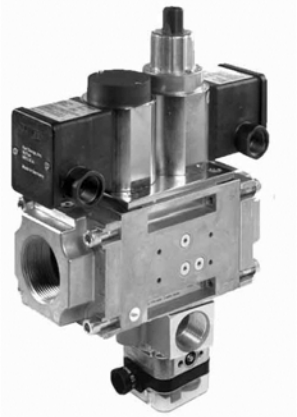
Body sizes	DMV-D(LE) 702/624 & DMV-D(LE) 703/624	DMV-D(LE) 704/624;634
Pipe size / thread	1" - 2" NPT or Rp	2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM 5 PSI (360 mbar) CSA	
Max. close off pressure	10 PSI (700 mbar) UL, FM	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz	
Enclosure rating	NEMA Type 4	
Electrical connection	Screw terminals with 1/2" NPT conduit connection	
Operating time	100 % duty cycle	
Ambient temperature rating	-20 °F to +140 °F (-30 °C to +60 °C)	(704) +5 °F to +140 °F (-15 °C to +60 °C)

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Includes 1 POC switch. Flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. The visual indicator must be ordered separately for valve 1. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*	List Price
DMV-D 702/624L	**267086**	1,747.41
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246515 FORMERLY: 244-167P	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 10.20 **Weight** (Kg.) 4.63	
DMV-D 703/624L	**267084**	1,983.21
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246516 FORMERLY: 244-166P	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 11.90 **Weight** (Kg.) 5.40	
DMV-D 704/624	**267051**	2,874.01
2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 4; POC on Valve 2 ONLY; CSA APPROVED ONLY REPLACEMENT COIL (SOLD INDIVIDUAL): 246517 FORMERLY: 242-489P	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08	

2 Dual Modular Valves NEMA Type 4 with Proof of Closure - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-D 704/634	**267052**	3,214.61
2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 4; POC on BOTH Valves; CSA APPROVED ONLY REPLACEMENT COIL (SOLD INDIVIDUAL): 246517 FORMERLY: 242-489PP	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08	
DMV-DLE 702/624L	**267088**	1,828.39
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 65 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246515 Replacement Hydraulic Brake: 240458 FORMERLY: 244-168P	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 10.40 **Weight** (Kg.) 4.72	
DMV-DLE 703/624L	**267082**	2,064.19
1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246516 Replacement Hydraulic Brake: 240458 FORMERLY: 244-165P	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 12.00 **Weight** (Kg.) 5.45	
DMV-DLE 704/624	**267053**	2,954.99
2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 4; POC on Valve 2 ONLY; CSA APPROVED ONLY REPLACEMENT COIL (SOLD INDIVIDUAL): 246517 Replacement Hydraulic Brake: 240458 FORMERLY: 242-490P	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 27.00 **Weight** (Kg.) 12.26	
DMV-DLE 704/634	**267054**	3,295.59
2“ NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 4; POC on BOTH Valves; CSA APPROVED ONLY REPLACEMENT COIL (SOLD INDIVIDUAL): 246517 Replacement Hydraulic Brake: 240458 FORMERLY: 242-490PP	**Delivery Info** B **Product Group** 2 **Weight** (lbs.) 27.00 **Weight** (Kg.) 12.26	



Description
The DUNGS Dual Modular Valve (DMV-D(LE)/624) incorporates overtravel and a proof of closure switch which is factory mounted and set with a Vent Line Adapter (VLA) that is also factory installed.
For main gas lines:
• Up to 1 1/2"; vent line must be 3/4"
• 2"; vent line must be 1"

Application
The DMV-VLA is recommended for industrial and commercial heating applications that require two safety shutoff valves with valve 2 Incorporating overtravel and a proof of closure switch with a vent line connection between the safety shutoff valves and NEMA Type 4x enclosure. The DMV-D(LE)/624 is suitable for natural gas, propane, butane, air and other inert gases.

Link to User Manual
Link to Data Sheet

Harmonized Code: 84814090

Specifications

Body sizes	DMV 702/624	DMV 703/624
Pipe size / thread	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Vent Line Connection	1" NPT	1" NPT
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz	
Enclosure rating	NEMA Type 4	
Electrical connection	Screw terminals with 1/2" NPT conduit connection	
Operating time	100 % duty cycle	
Ambient temperature rating	-20 °F to +140 °F (-30 °C to +60 °C)	

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Includes 1 POC switch. Flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. The visual indicator must be ordered separately for valve 1. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*	List Price
DMV-D 702/624L with VLA	**267087**	1,896.75
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246515 FORMERLY: 244-167VP	**Delivery Info** C **Product Group** 2 **Weight** (lbs.) 10.90 **Weight** (Kg.) 4.95	
DMV-D 703/624L with VLA	**267085**	2,132.55
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246516 FORMERLY: 244-166VP	**Delivery Info** C **Product Group** 2 **Weight** (lbs.) 12.50 **Weight** (Kg.) 5.68	
DMV-DLE 702/624L with VLA	**267089**	1,977.73
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 60 VA, NEMA Type 4 REPLACEMENT COIL (SOLD INDIVIDUAL): 246515 Replacement Hydraulic Brake: 240458 FORMERLY: 244-168VP	**Delivery Info** C **Product Group** 2 **Weight** (lbs.) 11.00 **Weight** (Kg.) 4.99	

2 Dual Modular Valves NEMA Type 4 with Proof of Closure & Vent Line Adapter - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-DLE 703/624L with VLA	**267083**	2,213.53

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 80 VA, NEMA Type 4
REPLACEMENT COIL (SOLD INDIVIDUAL): 246516
Replacement Hydraulic Brake: 240458

FORMERLY: 244-165VP

Delivery Info	C
Product Group	2
Weight (lbs.)	12.60
Weight (Kg.)	5.72



Description
The DUNGS Dual Modular Valve (DMV) combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV, DMV-D, and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V1 provides variable main flow on the DMV-D and DMV-DLE models.

Application
The DMV/11 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Pipe size	2” NPT or Rp
Max. operating pressure	7 PSI (500 mbar) FM, CE (Class A) 5 PSI (360 mbar) CSA
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz; 220 - 240 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz; 24 Vdc
Enclosure rating	NEMA Type 12
Electrical connection	DIN-connector with 1/2” NPT conduit adapter
Operating time	100 % duty cycle
Ambient temperature rating	+5°F to +140 °F (-15 °C to +60 °C)

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV, DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on DMV-D and DMV-DLE feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. A combination of visual indicators, (VI) 266949 and CPI 400’s (CPI) 266968, meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*	List Price
DMV-D 525/11	**223368**	2,066.66
2“ NPT or Rp 110 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12 REPLACEMENT COIL: 225168 REPLACEMENT PWB: 266977 FORMERLY: 223-368	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08	
DMV-D 525/11	**223367**	2,066.66
2“ NPT or Rp 220 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12 REPLACEMENT COIL: 225167 REPLACEMENT PWB: 266977 FORMERLY: 223-367	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08	
DMV-D 525/11	**223370**	2,066.66
2“ NPT or Rp 24 Vdc (+10%/-15%), 110 VA, NEMA Type 12 REPLACEMENT COIL: 225170 REPLACEMENT PWB: 266151 FORMERLY: 223-370	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08	

3 Dual Modular Valves High Capacity - DMV-D(LE)

Model / Tech. Data	*Order No.*	List Price

DMV-DLE 525/11 **223374** 2,099.32

2“ NPT or Rp

110 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12
REPLACEMENT COIL: 225168
REPLACEMENT PWB: 266977
Replacement Hydraulic Brake: 223158
FORMERLY: 223-374

Delivery Info	C
Product Group	3
Weight (lbs.)	27.00
Weight (Kg.)	12.26

DMV-DLE 525/11 **223373** 2,099.32

2“ NPT or Rp

220 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12
REPLACEMENT COIL: 225167
REPLACEMENT PWB: 266977
Replacement Hydraulic Brake: 223158
FORMERLY: 223-373

Delivery Info	C
Product Group	3
Weight (lbs.)	27.00
Weight (Kg.)	12.26

DMV-DLE 525/11 **223376** 2,099.32

2“ NPT or Rp

24 Vdc (+10%/-15%), 110 VA, NEMA Type 12
REPLACEMENT COIL: 225170
REPLACEMENT PWB: 266151
Replacement Hydraulic Brake: 223158
FORMERLY: 223-376

Delivery Info	C
Product Group	3
Weight (lbs.)	27.00
Weight (Kg.)	12.26

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Description
The DUNGS DMV 5…/602 ECO valve combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV eco, and DMV-DLE eco series is fast opening and fast closing. Valve 2 (V2) of the DMV eco is fast opening, while V2 of the DMV-DLE eco is slow opening for smoother start-up conditions. Max. flow adjustment on V2 provides variable main flow on both models.

Application
The DMV 5…/602 ECO valve is recommended for industrial and commercial gas consuming applications that require two safety shutoff valves in series.
The DMV 5…/602 ECO valve is suitable for natural gas, propane, butane, air and other inert gases. Viton version is suitable for corrosive gases up to 100% Humidity and 1% H2S (Contact Dungs for more details).

Link to the Datasheet and User Manual

Harmonized Code: 84818090

Specifications

Pipe size	DN 65 to DN 125 (2½" -5")
Max. Operating Pressure	7 PSI (500mbar) FM, CSA, CE
Electrical Ratings (+10% / -15%)	110-120 Vac/ 50 – 60 Hz 230-240 Vac/ 50 – 60 Hz 24 Vdc Start/Hold power consumption with all coils energized DMV (-DLE) 5065 eco 6X2 = 130/32VA DMV (-DLE) 5080 eco 6X2 = 190/40VA DMV (-DLE) 5100/5125 eco 6X2 = 250/50VA
Enclosure Rating	NEMA Type 12/IP54
Electrical Connection	DIN-connector with ½" NPT conduit adaptor
Operating Time	100% duty cycle
Ambient Temperature Rating	NBR Seat +5°F to +140°F (-15°C to +60°C) Viton seat CSA +5°F to +140°F (-15°C to +60°C) Viton seat EN161 +32°F to +140°F (0°C to +60°C)

Aluminum Body; Inlet, intermediate and outlet side taps (G 1/8 ISO 228); inlet gas strainer installed in the housing upstream V1 (23 mesh screen); DMV eco – V1 Fast Opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE eco - V1 fast opening & closing (<1s), V2 slow opening 20s MAX @ 70F & fast closing (<1s); V2 on DMV-DLE eco features a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671); Din connector (210319), and ISO mating flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV 5065/602 ECO	**267158**			2,835.29
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz NEMA Type 12 Replacement Coil 255478 No Replacement PWB Available FORMERLY: 257-298NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	
DMV 5080/602 ECO	**267154**			4,022.74
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz NBR CSA CE NEMA 12 Spare Coil 1511/2P 253713 Replacement PWB 257137 FORMERLY: 257-220NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV 5100/602 ECO	**267157**			5,280.77
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz NBR CSA CE NEMA 12 Spare Coil 1611/2P 253677 Replacement PWB 257137 FORMERLY: 257-256NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	

Model / Tech. Data	Order No.			List Price
DMV 5125/602 ECO	**267156**			8,497.14
DN. 125 to ISO 7005-1 PN16 110 VAC 50-60 Hz Replacement Coil 253676 Replacement PWB 257137 FORMERLY: 257-242NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	
DMV 5065/602 ECO	**267164**			2,835.29
DN. 65 to ISO 7005-1 PN16 24 Vdc Replacement Coil 256633 No Replacement PWB Available FORMERLY: 258-309NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	
DMV 5080/602 ECO	**267166**			4,022.74
DN. 80 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248503 Replacement PWB 257604 FORMERLY: 258-313NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV 5100/602 ECO	**267168**			5,280.77
DN. 100 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248504 Replacement PWB 257604 FORMERLY: 258-317NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	
DMV 5125/602 ECO	**267169**			8,107.96
DN. 125 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248505 Replacement PWB 257604 FORMERLY: 258-321NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	
DMV 5080/602 ECO viton	**267171**			4,794.65
DN. 80 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248503 Replacement PWB 257604 FORMERLY: 258-331NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 36.00 16.34	
DMV 5100/602 ECO viton	**267172**			6,052.68
DN. 100 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248504 Replacement PWB 257604 FORMERLY: 258-336NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 53.50 24.29	
DMV 5125/602 ECO viton	**267173**			8,879.87
DN. 125 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248505 Replacement PWB 257604 FORMERLY: 258-341NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 70.00 31.78	

Model / Tech. Data	*Order No.*			List Price
DMV-DLE 5065/602 ECO	**267162**			2,909.51
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 256632 No Replacement PWB Available Replacement Hydraulic Brake: 223158 FORMERLY: 258-308NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	
DMV-DLE 5080/602 ECO	**267165**			4,096.96
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262826 Replacement PWB 262827 Replacement Hydraulic Brake: 223158 FORMERLY: 258-312NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV-DLE 5100/602 ECO	**269343**			5,359.00
DN. 100 to ISO 7005-1 PN16 110 VAC 50-60 Hz Replacement Coil 262825 Replacement PWB 262827 Replacement Hydraulic Brake: 223157 FORMERLY: 258-316NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	
DMV-DLE 5125/602 ECO	**269348**			8,183.23
DN. 125 to ISO 7005-1 PN16 110 VAC 50-60 Hz Replacement Coil 262824 Replacement PWB 262827 Replacement Hydraulic Brake: 223157 FORMERLY: 258-320NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	

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Description
The DUNGS Flanged Dual Modular Valve (DMV 5…/622 ECO; 632 ECO) combines all the features of the DUNGS DMV 5…/602 ECO valve plus overtravel and a proof of closure (POC) switch which is factory mounted and set on V2 for the /622 and on both valves for the /632.

Application
The DMV 5…/622; 632 ECO is recommended for industrial and commercial gas consuming applications that require two safety shutoff valves in series.
The DMV 5…/622; 632 ECO is suitable for natural gas, propane, butane, air and other inert gases. Viton version is suitable for corrosive gases up to 100% Humidity and 1% H2S (Contact Dungs for more details)

Link to the Datasheet and User Manual

Harmonized Code: 84818090

Specifications

Pipe size	DN 65 to DN 125 (2½" -5")
Max. Operating Pressure	7 PSI (500mbar) FM, CSA, CE Electrical Ratings (+10% / -15%) 110-120 Vac/ 50 – 60 Hz 230-240 Vac/ 50 – 60 Hz 24 Vdc Start/Hold power consumption with all coils energized DMV (-DLE) 5065 eco 6X2 = 130/32VA DMV (-DLE) 5080 eco 6X2 = 190/40VA DMV (-DLE) 5100/5125 eco 6X2 = 250/50VA
Enclosure Rating	NEMA Type 12/ IP54
Electrical Connection	DIN-connector with ½" NPT conduit adaptor
Operating Time	100% duty cycle
Ambient Temperature Rating	NBR Seat +5°F to +140°F (-15°C to +60°C) Viton seat CSA +5°F to +140°F (-15°C to +60°C) Viton seat EN161 +32°F to +140°F (0°C to +60°C)

Aluminum Body; Inlet, intermediate and outlet side taps (G 1/8 ISO 228); inlet gas strainer installed in the housing upstream V1 (23 mesh screen); DMV eco – V1 Fast Opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE eco - V1 fast opening & closing (<1s), V2 slow opening 20s MAX @ 70F & fast closing (<1s); V2 on DMV-DLE eco features a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. eco/622 has POC mounted to V2, eco/632 has POC mounted to V1 and V2 Conduit Adapter (240671); Din connector (210319), and ISO mating flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately for V1 for the eco/622 valve . Factory mounted and calibrated proof of closure switch: SPDT 5 A resistive, 2 FLA, 48 LRA @ 120 Vac; 1A @ 24 VDC; NEMA type 12; +5°F to +140°F (-15°C to +60°C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*			List Price
DMV 5065/622 ECO	**269335**			3,169.04
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 255478 No Replacement PWB Available FORMERLY: 257-298P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	
DMV 5080/622 ECO	**269330**			4,356.48
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253713 Replacement PWB 257137 FORMERLY: 257-220P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV 5100/622 ECO	**269333**			5,614.49
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253677 Replacement PWB 257137 FORMERLY: 257-256P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	

3 Dual Modular Valves Flanged version with Proof of Closure DMV 5…/ 6x2 ECO

Model / Tech. Data	*Order No.*			List Price
DMV 5125/622 ECO	**269331**			8,441.70
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253676 Replacement PWB 257137 FORMERLY: 257-242P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	
DMV 5065/622 ECO	**269338**			3,169.04
DN. 65 to ISO 7005-1 PN16 24 Vdc Replacement Coil 256633 No Replacement PWB Available FORMERLY: 258-309P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV 5080/622 ECO	**267167**			4,356.48
DN. 80 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248503 Replacement PWB 257604 FORMERLY: 258-313P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV 5100/622 ECO	**269346**			5,614.49
DN. 100 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248504 Replacement PWB 257604 FORMERLY: 258-317P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	
DMV 5125/622 ECO	**269351**			8,441.70
DN. 125 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248505 Replacement PWB 257604 FORMERLY: 258-321P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 70.00 31.78	
DMV 5080/622 ECO	**269352**			5,735.94
DN. 80 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248503 Replacement PWB 257604 FORMERLY: 258-331P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV 5100/622 ECO Viton	**269354**			6,779.57
DN. 100 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248504 Replacement PWB 257604 FORMERLY: 258-336P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 53.50 24.29	
DMV 5125/622 ECO Viton	**269356**			10,136.63
DN. 125 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248505 Replacement PWB 257604 FORMERLY: 258-341P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 70.00 31.78	

Model / Tech. Data	Order No.			List Price
DMV 5065/632 ECO	**269336**			3,502.78
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 255478 No Replacement PWB Available FORMERLY: 257-298PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	
DMV 5080/632 ECO	**267155**			4,690.22
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253713 Replacement PWB 257137 FORMERLY: 257-220PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV 5100/632 ECO	**269334**			5,948.23
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253677 Replacement PWB 257137 FORMERLY: 257-256PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	
DMV 5125/632 ECO	**269332**			8,775.42
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253676 Replacement PWB 257137 FORMERLY: 257-242PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	
DMV 5065/632 ECO	**269339**			3,502.78
DN. 65 to ISO 7005-1 PN16 24 Vdc Replacement Coil 256633 No Replacement PWB Available FORMERLY: 258-309PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV 5080/632 ECO	**269342**			4,690.22
DN. 80 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248503 Replacement PWB 257604 FORMERLY: 258-313PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV 5100/632 ECO	**269347**			5,948.23
DN. 100 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248504 Replacement PWB 257604 FORMERLY: 258-317PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	
DMV 5125/632 ECO	**267170**			8,775.42
DN. 125 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248505 Replacement PWB 257604 FORMERLY: 258-321PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 70.00 31.78	

Model / Tech. Data	Order No.			List Price
DMV 5080/632 ECO Viton	**269353**			5,462.14
DN. 80 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248503 Replacement PWB 257604 FORMERLY: 258-331PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 36.00 16.34	
DMV 5100/632 ECO Viton	**269355**			6,720.14
DN. 100 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248504 Replacement PWB 257604 FORMERLY: 258-336PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 53.50 24.29	
DMV 5125/632 ECO Viton	**269357**			8,590.23
DN. 125 to ISO 7005-1 PN16 24 Vdc Viton Seat Replacement Coil 248505 Replacement PWB 257604 FORMERLY: 258-341PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 70.00 31.78	
DMV-DLE 5065/622 ECO	**269337**			3,104.67
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 256632 Replacement PWB 262827 Replacement Hydraulic Brake: 223158 FORMERLY: 258-308P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	
DMV-DLE 5080/622 ECO	**269340**			4,313.83
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262826 Replacement PWB 262827 Replacement Hydraulic Brake: 223158 FORMERLY: 258-312P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV-DLE 5100/622 ECO	**269344**			6,085.89
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262825 Replacement PWB 262827 Replacement Hydraulic Brake: 223157 FORMERLY: 258-316P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	
DMV-DLE 5125/622 ECO	**269349**			9,438.95
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262824 Replacement PWB 262827 Replacement Hydraulic Brake: 223157 FORMERLY: 258-320P		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	
DMV-DLE 5065/632 ECO	**267163**			3,831.57
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 256632 No Replacement PWB Available Replacement Hydraulic Brake: 223158 FORMERLY: 258-308PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 22.00 9.99	

3 Dual Modular Valves Flanged version with Proof of Closure DMV 5…/ 6x2 ECO

Model / Tech. Data	*Order No.*			List Price
DMV-DLE 5080/632 ECO	**269341**			5,038.25
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262826 Replacement PWB 262827 Replacement Hydraulic Brake: 223158 FORMERLY: 258-312PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 36.00 16.34	
DMV-DLE 5100/632 ECO	**269345**			6,812.79
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262825 Replacement PWB 262827 Replacement Hydraulic Brake: 223157 FORMERLY: 258-316PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 53.50 24.29	
DMV-DLE 5125/632 ECO	**269350**			10,193.05
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262824 Replacement PWB 262827 Replacement Hydraulic Brake: 223157 FORMERLY: 258-320PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 3 70.00 31.78	

DUNGS®
Combustion Controls



Description
The DUNGS DMV 5…/604 ECO valve combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV eco, and DMV-DLE eco series is fast opening and fast closing. Valve 2 (V2) of the DMV eco is fast opening, while V2 of the DMV-DLE eco is slow opening for start-up conditions.. Max. flow adjustment on V2 provides variable main flow on both models.

Application
The DMV 5…/604 ECO valve is recommended for industrial and commercial gas consuming applications that require two safety shutoff valves in series.
The DMV 5…/604 ECO valve is suitable for natural gas, propane, butane, air and other inert gases. Viton version is suitable for corrosive gases up to 100% Humidity and 1% H2S (Contact Dungs for more details).

Link to the User Manual

Harmonized Code: 84818090

Specifications

Pipe size	DN 65 to DN 125 (2½" -5")
Max. Operating Pressure	7 PSI (500mbar) FM, CSA, CE
Electrical Ratings (+10% / -15%)	110 - 120 Vac/ 50 – 60 Hz 230-240 Vac/ 50 – 60 Hz 24 Vdc Start/Hold power consumption with all coils energized DMV (-DLE) 5065 eco 6X4 = 130/32VA DMV (-DLE) 5080 eco 6X4 = 190/40VA DMV (-DLE) 5100/5125 eco 6X4 = 250/50VA
Enclosure Rating	NEMA Type 4/ IP65
Electrical Connection	DIN-connector with ½" NPT conduit adaptor
Operating Time	100% duty cycle
Ambient Temperature Rating	NBR Seat +5°F to +140°F (-15°C to +60°C) Viton seat CSA +5°F to +140°F (-15°C to +60°C) Viton seat EN161 +32°F to +140°F (0°C to +60°C)

Aluminum Body; Inlet, intermediate and outlet side taps (G 1/8 ISO 228); inlet gas strainer installed in the housing upstream V1 (23 mesh screen); DMV eco – V1 Fast Opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE eco - V1 fast opening & closing (<1s), V2 slow opening 20s MAX @ 70F & fast closing (<1s); V2 on DMV-DLE eco features a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671); Din connector (210319), and mating ISO flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV 5065/604 ECO	**269396**			2,990.20
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 255-478-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-298NP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV 5080/604 ECO	**269386**			4,245.40
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-713-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-220NP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV 5100/604 ECO	**269393**			5,844.12
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-677-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-256NP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	

Model / Tech. Data	*Order No.*	List Price
DMV 5125/604 ECO	**269389**	9,550.08
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-676-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-242NP-4	**Delivery Info** B **Product Group** 3 **Weight** (lbs.) 70.00 **Weight** (Kg.) 31.78	
DMV 5065/604 ECO	**267183**	2,990.20
DN. 65 to ISO 7005-1 PN16 24 Vdc Replacement Coil 262451 PCB Board is not replaceable on this valve FORMERLY: 262-450NP	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 22.00 **Weight** (Kg.) 9.99	
DMV 5080/604 ECO	**269404**	4,245.40
DN. 80 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-503-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-313NP-4	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 36.00 **Weight** (Kg.) 16.34	
DMV 5100/604 ECO	**269410**	5,844.12
DN. 100 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-504-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-317NP-4	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 53.50 **Weight** (Kg.) 24.29	
DMV 5125/604 ECO	**269416**	9,550.08
DN. 125 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-505-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-321NP-4	**Delivery Info** C **Product Group** 3 **Weight** (lbs.) 70.00 **Weight** (Kg.) 31.78	
DMV-DLE 5065/604 ECO	**269399**	3,064.43
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 256-632-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223158 FORMERLY: GA-258-308NP-4	**Delivery Info** B **Product Group** 3 **Weight** (lbs.) 22.00 **Weight** (Kg.) 9.99	
DMV-DLE 5080/604 ECO	**269402**	4,319.62
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-826-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223158 FORMERLY: GA-258-312NP-4	**Delivery Info** B **Product Group** 3 **Weight** (lbs.) 36.00 **Weight** (Kg.) 16.34	
DMV-DLE 5100/604 ECO	**269407**	5,922.34
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-825-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223157 FORMERLY: GA-258-316NP-4	**Delivery Info** B **Product Group** 3 **Weight** (lbs.) 53.50 **Weight** (Kg.) 24.29	

3 Dual Modular Valves NEMA Type 4 Flanged version DMV 5…/ 604 ECO

Model / Tech. Data	*Order No.*	List Price
DMV-DLE 5125/604 ECO	**269413**	9,624.30

DN. 125 to ISO 7005-1 PN16

110 Vac 50-60 Hz
Replacement Coil 262-824-4
PCB Board is not replaceable on this valve
Replacement Hydraulic Brake: 223157
FORMERLY: GA-258-320NP-4

Delivery Info	B
Product Group	3
Weight (lbs.)	70.00
Weight (Kg.)	31.78



Description
The DUNGS Flanged Dual Modular Valve (DMV 5…/624; 634) combines all the features of the DUNGS DMV 5…/11 eco 604 valve plus overtravel and a proof of closure switch which is factory mounted and set on V2 for the /624 and on both valves for /634

Application
The DMV 5…/624; 634 is recommended for industrial and commercial gas consuming applications that require two safety shutoff valves in series.
The DMV 5…/624; 634 is suitable for natural gas, propane, butane, air and other inert gases. Viton version is suitable for corrosive gases up to 100% Humidity and 1% H2S (Contact Dungs for more details).

Link to the User Manual

Harmonized Code: 84818090

Specifications

Pipe size	DN 65 to DN 125 (2½" -5")
Max. Operating Pressure	7 PSI (500mbar) FM, CSA, CE
Electrical Ratings (+10% / -15%)	110 - 120 Vac/ 50 – 60 Hz 230-240 Vac/ 50 – 60 Hz 24 Vdc Start/Hold power consumption with all coils energized DMV (-DLE) 5065 eco 6X4 = 130/32VA DMV (-DLE) 5080 eco 6X4 = 190/40VA DMV (-DLE) 5100/5125 eco 6X4 = 250/50VA
Enclosure Rating	NEMA Type 4/ IP65
Electrical Connection	DIN-connector with ½" NPT conduit adaptor
Operating Time	100% duty cycle
Ambient Temperature Rating	NBR Seat +5°F to +140°F (-15°C to +60°C) Viton seat CSA +5°F to +140°F (-15°C to +60°C) Viton seat EN161 +32°F to +140°F (0°C to +60°C)

Aluminum Body; Inlet, intermediate and outlet side taps (G 1/8 ISO 228); inlet gas strainer installed in the housing upstream V1 (23 mesh screen); DMV eco, – V1 Fast Opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE eco - V1 fast opening & closing (<1s), V2 slow opening 20s MAX @ 70F & fast closing (<1s); V2 on DMV-DLE eco features a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. eco/624 has POC mounted to V2, eco/634 has POC mounted to V1 and V2 Conduit Adapter (240671); Din connector (210319), and ISO mating flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately for valve 1. Factory mounted and calibrated proof of closure switch: SPDT 5 A resistive, 2 FLA, 48 LRA @ 120 Vac; 1A @ 24 VDC; NEMA type 4; +5°F to +140°F (-15°C to +60°C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*			List Price
DMV 5065/624 ECO	**269397**			3,592.78
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 255-478-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-298P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV 5080/624 ECO	**269387**			4,794.79
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-713-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-220P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV 5100/624 ECO	**269394**			6,570.99
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-677-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-256P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	

3 Dual Modular Valves NEMA Type 4 Flanged version with Proof of Closure DMV 5…/ 6x4 ECO

Model / Tech. Data	*Order No.*			List Price
DMV 5125/624 ECO	**269390**			10,274.49
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-676-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-242P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 70.00 31.78	
DMV 5065/624 ECO	**268490**			3,492.80
DN. 65 to ISO 7005-1 PN16 24 Vdc Replacement Coil 262451 PCB Board is not replaceable on this valve FORMERLY: GA-262-450P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 22.00 9.99	
DMV 5080/624 ECO	**269405**			4,794.79
DN. 80 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-503-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-313P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 36.00 16.34	
DMV 5100/624 ECO	**269411**			6,570.99
DN. 100 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-504-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-317P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 53.50 24.29	
DMV 5125/624 ECO	**269417**			10,274.49
DN. 125 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-505-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-321P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 70.00 31.78	
DMV 5065/634 ECO	**269398**			4,319.68
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 255-478-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-298PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV 5080/634 ECO	**269388**			5,581.55
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 255-713-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-220PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV 5100/634 ECO	**269395**			7,297.89
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-677-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-256PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	

3 Dual Modular Valves NEMA Type 4 Flanged version with Proof of Closure DMV 5…/ 6x4 ECO

Model / Tech. Data	Order No.			List Price
DMV 5125/634 ECO	**269392**			10,682.90
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 253-676-4 PCB Board is not replaceable on this valve FORMERLY: GA-257-242PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 70.00 31.78	
DMV 5065/634 ECO	**269419**			4,319.68
DN. 65 to ISO 7005-1 PN16 24 Vdc Replacement Coil 256-633-4 PCB Board is not replaceable on this valve FORMERLY: GA-262-450PP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 22.00 9.99	
DMV 5080/634 ECO	**269406**			5,581.55
DN. 80 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-503-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-313PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 36.00 16.34	
DMV 5100/634 ECO	**269412**			7,297.89
DN. 100 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-504-4 PCB Board is not replaceable on this valve FORMERLY: GA-258-317PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 53.50 24.29	
DMV 5125/634 ECO	**269418**			10,682.90
DN. 125 to ISO 7005-1 PN16 24 Vdc Replacement Coil 248-505-4 PCB Board is not replaceable on this FORMERLY: GA-258-321PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 70.00 31.78	
DMV-DLE 5065/624 ECO	**269400**			3,668.01
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 256-632-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223158 FORMERLY: GA-258-308P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV-DLE 5080/624 ECO	**268488**			4,733.52
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-826-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223158 FORMERLY: GA-258-312P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV-DLE 5100/624 ECO	**269408**			6,649.23
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-825-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223157 FORMERLY: GA-258-316P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	

3 Dual Modular Valves NEMA Type 4 Flanged version with Proof of Closure DMV 5…/ 6x4 ECO

Model / Tech. Data	*Order No.*			List Price
DMV-DLE 5125/624 ECO	**269414**			10,348.71
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-824-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223157 FORMERLY: GA-258-320P-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 70.00 31.78	
DMV-DLE 5065/634 ECO	**269401**			4,394.90
DN. 65 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 256-632-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223158 FORMERLY: GA-258-308PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 22.00 9.99	
DMV-DLE 5080/634 ECO	**269403**			5,655.77
DN. 80 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-826-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223158 FORMERLY: GA-258-312PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 36.00 16.34	
DMV-DLE 5100/634 ECO	**269409**			7,376.11
DN. 100 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-825-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223157 FORMERLY: GA-258-316PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 53.50 24.29	
DMV-DLE 5125/634 ECO	**269415**			10,757.15
DN. 125 to ISO 7005-1 PN16 110 Vac 50-60 Hz Replacement Coil 262-824-4 PCB Board is not replaceable on this valve Replacement Hydraulic Brake: 223157 FORMERLY: GA-258-320PP-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 70.00 31.78	



Description
The DUNGS Flanged Dual Modular Valve (DMV) combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV, DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV and DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V1 provides variable main flow on the DMV-D and DMV-DLE models.

Application
The DMV/11 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Pipe size	DN 40 to DN 125 (1-1/2" - 5")
Max. operating pressure	7 PSI (500 mbar) FM, CE (Class A) 5 PSI (360 mbar) CSA
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz; 220 - 240 Vac/50 - 60 Hz 24 Vac/ 50 - 60 Hz; 24 Vdc
Enclosure rating	NEMA Type 12
Electrical connection	DIN-connector with 1/2" NPT conduit adapter
Operating time	100 % duty cycle
Ambient temperature rating	+5°F to +140 °F (-15 °C to +60 °C)

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV, DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on DMV-D and DMV-DLE feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV-D 5050/11	**226064**			2,369.07
DN. 50 to ISO 7005-1 PN40 110 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 225049 REPLACEMENT PWB BOARD:266149 FORMERLY: 226-064		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 18.30 8.31	
DMV-D 5040/11	**224380**			1,993.70
DN. 40 to ISO 7005-1 PN40 220-240 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 225048 REPLACEMENT PWB BOARD: 266147 FORMERLY: 224-380		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 17.20 7.81	
DMV-D 5050/11	**224381**			2,369.07
DN. 50 to ISO 7005-1 PN40 220-240 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12 REPLACEMENT COIL: 225048 REPLACEMENT PWB BOARD: 266147 FORMERLY: 224-381		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 18.30 8.31	

Model / Tech. Data	*Order No.*	List Price

DMV-DLE 5050/11 **224924** 2,401.12

DN. 50 to ISO 7005-1 PN40

220-240 Vac (+10%/-15%) 50-60 Hz 90 VA NEMA Type 12
REPLACEMENT COIL: 225048
REPLACEMENT PWB BOARD: 266147
Replacement Hydraulic Brake: 224457
FORMERLY: 224-924

Delivery Info	C
Product Group	3
Weight (lbs.)	18.30
Weight (Kg.)	8.31

DMV-D 5040/11 **226063** 2,140.37

DN. 40 to ISO 7005-1 PN40

24 Vdc (+10%/-15%), 90 VA, NEMA Type 12
REPLACEMENT COIL: 225051
REPLACEMENT PWB BOARD: 266151
FORMERLY: 226-063

Delivery Info	C
Product Group	3
Weight (lbs.)	17.20
Weight (Kg.)	7.81

DMV-D 5050/11 **226066** 2,369.07

DN. 50 to ISO 7005-1 PN40

24 Vdc (+10%/-15%), 90 VA, NEMA Type 12
REPLACEMENT COIL: 225051
REPLACEMENT PWB BOARD: 266151
FORMERLY: 226-066

Delivery Info	C
Product Group	3
Weight (lbs.)	18.30
Weight (Kg.)	8.31

DMV-DLE 5050/11 **226118** 2,401.12

DN. 50 to ISO 7005-1 PN40

110 Vac (+10%/-15%) 50-60 Hz, 90 VA, NEMA Type 12
REPLACEMENT COIL: 225049
REPLACEMENT PWB BOARD: 266149
Replacement Hydraulic Brake: 224457
FORMERLY: 226-118

Delivery Info	C
Product Group	3
Weight (lbs.)	18.30
Weight (Kg.)	8.31

DMV-D 5065/11 **226067** 2,654.35

DN. 65 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12
REPLACEMENT COIL: 225168
REPLACEMENT PWB BOARD: 266149
FORMERLY: 226-067

Delivery Info	C
Product Group	3
Weight (lbs.)	32.20
Weight (Kg.)	14.62

DMV-D 5080/11 **226070** 4,551.90

DN. 80 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12
REPLACEMENT COIL: 225217
REPLACEMENT PWB BOARD: 266149
FORMERLY: 226-070

Delivery Info	C
Product Group	3
Weight (lbs.)	52.00
Weight (Kg.)	23.61

DMV-D 5100/11 **226073** 6,087.66

DN. 100 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 225222
REPLACEMENT PWB BOARD: 266150
FORMERLY: 226-073

Delivery Info	C
Product Group	3
Weight (lbs.)	67.50
Weight (Kg.)	30.65

DMV-D 5125/11 **226076** 9,346.85

DN. 125 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 200 VA, NEMA Type 12
REPLACEMENT COIL: 225226
REPLACEMENT PWB BOARD: 266150
FORMERLY: 226-076

Delivery Info	C
Product Group	3
Weight (lbs.)	111.60
Weight (Kg.)	50.67

Model / Tech. Data	Order No.			List Price
DMV-D 5065/11	**224382**			2,654.35
DN. 65 to ISO 7005-1 PN16 220-240 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12 REPLACEMENT COIL: 225167 REPLACEMENT PWB BOARD: 266147 FORMERLY: 224-382		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 32.20 14.62	
DMV-D 5080/11	**224383**			4,551.90
DN. 80 to ISO 7005-1 PN16 220-240 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12 REPLACEMENT COIL: 225171 REPLACEMENT PWB BOARD: 266147 FORMERLY: 224-383		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 52.00 23.61	
DMV-D 5100/11	**224384**			6,087.66
DN. 100 to ISO 7005-1 PN16 220-240 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12 REPLACEMENT COIL: 225220 REPLACEMENT PWB BOARD: 266148 FORMERLY: 224-384		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 67.50 30.65	
DMV-D 5125/11	**224385**			9,346.85
DN. 125 to ISO 7005-1 PN16 220-240 Vac (+10%/-15%) 50-60 Hz, 200 VA, NEMA Type 12 REPLACEMENT COIL: 225225 REPLACEMENT PWB BOARD: 266148 FORMERLY: 224-385		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 111.60 50.67	
DMV-D 5065/11	**226069**			2,654.35
DN. 65 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 110 VA, NEMA Type 12 REPLACEMENT COIL: 225170 REPLACEMENT PWB BOARD: 266151 FORMERLY: 226-069		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 32.20 14.62	
DMV-D 5080/11	**226072**			4,551.90
DN. 80 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 110 VA, NEMA Type 12 REPLACEMENT COIL: 225219 REPLACEMENT PWB BOARD: 266151 FORMERLY: 226-072		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 52.00 23.61	
DMV-D 5100/11	**226075**			6,087.66
DN. 100 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 135 VA, NEMA Type 12 REPLACEMENT COIL: 225224 REPLACEMENT PWB BOARD: 266151 FORMERLY: 226-075		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 67.50 30.65	
DMV-D 5125/11	**226078**			9,346.85
DN. 125 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 200 VA, NEMA Type 12 REPLACEMENT COIL: 225228 REPLACEMENT PWB BOARD: 266151 FORMERLY: 226-078		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 111.60 50.67	

Model / Tech. Data	*Order No.*	List Price

DMV-DLE 5065/11 **226102** 2,741.10

DN. 65 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12
REPLACEMENT COIL: 225168
REPLACEMENT PWB BOARD: 266149
Replacement Hydraulic Brake: 223158
FORMERLY: 226-102

Delivery Info	C
Product Group	3
Weight (lbs.)	32.20
Weight (Kg.)	14.62

DMV-DLE 5080/11 **226104** 4,638.62

DN. 80 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 110 VA, NEMA Type 12
REPLACEMENT COIL: 225217
REPLACEMENT PWB BOARD: 266149
Replacement Hydraulic Brake: 223158
FORMERLY: 226-104

Delivery Info	C
Product Group	3
Weight (lbs.)	52.00
Weight (Kg.)	23.61

DMV-DLE 5100/11 **226112** 6,174.39

DN. 100 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 225222
REPLACEMENT PWB BOARD: 266150
Replacement Hydraulic Brake: 223157
FORMERLY: 226-112

Delivery Info	C
Product Group	3
Weight (lbs.)	67.50
Weight (Kg.)	30.65

DMV-DLE 5125/11 **226108** 9,433.56

DN. 125 to ISO 7005-1 PN16

110 Vac (+10%/-15%) 50-60 Hz, 200 VA, NEMA Type 12
REPLACEMENT COIL: 225226
REPLACEMENT PWB BOARD: 266150
Replacement Hydraulic Brake: 223157
FORMERLY: 226-108

Delivery Info	C
Product Group	3
Weight (lbs.)	111.60
Weight (Kg.)	50.67

DMV-DLE 5065/11 **224925** 2,741.10

DN. 65 to ISO 7005-1 PN16

220-240 Vac (+10%/-15%) 50-60Hz 110 VA NEMA Type 12
REPLACEMENT COIL: 225167
REPLACEMENT PWB BOARD: 266147
Replacement Hydraulic Brake: 223158
FORMERLY: 224-925

Delivery Info	C
Product Group	3
Weight (lbs.)	32.20
Weight (Kg.)	14.62

DMV-DLE 5080/11 **224926** 4,638.62

DN. 80 to ISO 7005-1 PN16

220-240 Vac (+10%/-15%) 50-60Hz 110 VA NEMA Type 12
REPLACEMENT COIL: 225171
REPLACEMENT PWB BOARD: 266147
Replacement Hydraulic Brake: 223158
FORMERLY: 224-926

Delivery Info	C
Product Group	3
Weight (lbs.)	52.00
Weight (Kg.)	23.61

DMV-DLE 5100/11 **226111** 6,174.39

DN. 100 to ISO 7005-1 PN16

220-240 Vac (+10%/-15%) 50-60Hz 135 VA NEMA Type 12
REPLACEMENT COIL: 225220
REPLACEMENT PWB BOARD: 266147
Replacement Hydraulic Brake: 223157
FORMERLY: 226-111

Delivery Info	C
Product Group	3
Weight (lbs.)	67.50
Weight (Kg.)	30.65

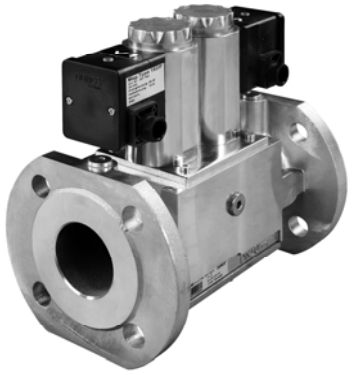
DMV-DLE 5125/11 **226107** 9,433.56

DN. 125 to ISO 7005-1 PN16

220-240 Vac (+10%/-15%) 50-60Hz 200 VA NEMA Type 12
REPLACEMENT COIL: 225225
REPLACEMENT PWB BOARD: 266148
Replacement Hydraulic Brake: 223157
FORMERLY: 226-107

Delivery Info	C
Product Group	3
Weight (lbs.)	111.60
Weight (Kg.)	50.67

Model / Tech. Data	*Order No.*			List Price
DMV-DLE 5050/11	**226120**			2,401.12
DN. 50 to ISO 7005-1 PN40 24 Vdc (+10%/-15%), 90 VA, NEMA Type 12 REPLACEMENT COIL: 225051 REPLACEMENT PWB BOARD: 266151 Replacement Hydraulic Brake: 224457 FORMERLY: 226-120		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 18.30 8.31	
DMV-DLE 5065/11	**226103**			2,741.10
DN. 65 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 110 VA, NEMA Type 12 REPLACEMENT COIL: 225170 REPLACEMENT PWB BOARD: 266151 Replacement Hydraulic Brake: 223158 FORMERLY: 226-103		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 32.20 14.62	
DMV-DLE 5080/11	**226106**			4,638.62
DN. 80 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 110 VA, NEMA Type 12 REPLACEMENT COIL: 225219 REPLACEMENT PWB BOARD: 266151 Replacement Hydraulic Brake: 223158 FORMERLY: 226-106		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 3 52.00 23.61	
DMV-DLE 5100/11	**226114**			6,035.57
DN. 100 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 135 VA, NEMA Type 12 REPLACEMENT COIL: 225224 REPLACEMENT PWB BOARD: 266151 Replacement Hydraulic Brake: 223157 FORMERLY: 226-114		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 67.50 30.65	
DMV-DLE 5125/11	**226110**			9,433.56
DN. 125 to ISO 7005-1 PN16 24 Vdc (+10%/-15%), 200 VA, NEMA Type 12 REPLACEMENT COIL: 225228 REPLACEMENT PWB BOARD: 266151 Replacement Hydraulic Brake: 223157 FORMERLY: 226-110		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 111.60 50.67	



Description
The DUNGS Flanged Dual Modular Valve (DMV) 500XX Series, combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) and Valve 2 (V2) are fast opening.

Application
The DMV 500XX Series is recommended for industrial and commercial heating applications that require two safety shutoff valves in series. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818090

Specifications

Pipe size	DN 25 and DN 50 (1" - 2")
Max. operating pressure	70 PSIG (5Barg) CE (Class A) EN161/60 PSIG (4BARG)CSA 6.5 C/I
Electrical ratings (+10% / -15%)	220 - 240 Vac/50 - 60 Hz 24 Vdc
Enclosure rating	Nema 12/IP 54
Electrical connection	Screw Terminals via PG 11
Operating time	100 % duty cycle
Ambient temperature rating	+5°F to +140 °F (-15 °C to +60 °C)

Aluminum body; Inlet and outlet taps (G1/4 ISO 228); Intermediate tap G1/4 ISO 228; Inlet gas strainer installed in the housing upstream valves. Fast opening & closing (<1 s). 100% duty cycle; Refer to Flow Curves for Body Selection. Note: Coils do NOT TURN.

Model / Tech. Data	*Order No.*			List Price
DMV 50025	**256446**			
DN. 25 to ISO 7005-1 PN16 230 Vac Starting Power [W] 2x80, Holding Power [W] 2x15, (+10%/-15%) 50-60 Hz, IP54 COILS: V1=257876 & V2=257877 PWB NOT REPLACEABLE	**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 3 17.80 8.08		**PRICE ON REQUEST**
DMV 50025	**255973**			
DN. 25 to ISO 7005-1 PN16 24 vdc Starting Power [W] 2x80, Holding Power [W] 2x15, IP54 COILS: V1=257876 & V2=257877 PWB NOT REPLACEABLE FORMERLY: 255-973	**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 3 17.80 8.08		**PRICE ON REQUEST**
DMV 50050	**254849**			4,018.47
DN. 50 to ISO 7005-1 PN16 230 Vac Starting Power [W] 2x80, Holding Power [W] 2x15, (+10%/-15%) 50-60Hz, IP54 COILS: V1=257878 & V2=257879 PWB NOT REPLACEABLE FORMERLY: 254-849	**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 3 17.80 8.08		

3 Dual Modular Valves Flanged version - DMV-D(LE) 500XX Series

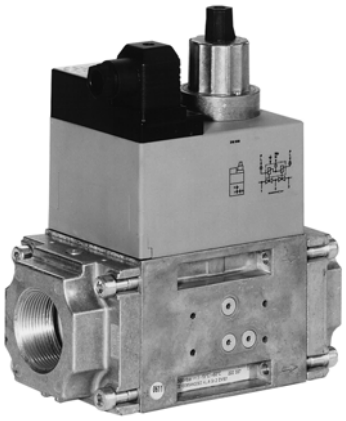
Model / Tech. Data	*Order No.*	List Price
DMV 50050	**251762**	4,018.47

DN. 50 to ISO 7005-1 PN16

24 vdc Starting Power [W] 2x80, Holding Power [W] 2x15, IP54
COILS: V1=257876 & V2=257877
PWB NOT REPLACEABLE
FORMERLY: 251-762

Delivery Info	C
Product Group	3
Weight (lbs.)	17.80
Weight (Kg.)	8.08

DUNGS®
Combustion Controls



Description

The DUNGS Dual Modular Valve (DMV-D(LE)/11) combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V1 provides variable main flow on both models.

Application

The DUNGS DMV/11 is recommended for industrial and commercial heating applications that require two safety shutoff valves in series, and CE approval. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

CE

Link to the Datasheet and User Manual

Harmonized Code:

Specifications

Body sizes	DMV 507/11	DMV 512/11	DMV 520/11
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) CE (Class A)		
Electrical ratings (+10% / -15%)	110 Vac/50 - 60 Hz; 220 Vac/50 - 60 Hz, 24 Vdc		
Enclosure rating	IP 54 (NEMA Type 12)		
Electrical connection	DIN-connector with 1/2" NPT conduit adapter		
Operating time	100 % duty cycle		
Ambient temperature rating	+5 °F to +140 °F (- 15°C to +60 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
European code requirements for position indication vary. The DUNGS K01 (266893) switch meets EN1531 and EN 161 code requirements for closed position signal contact.

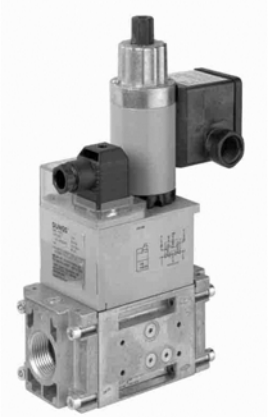
Model / Tech. Data	*Order No.*			List Price
DMV-D 503/11	**222872**			1,043.49
3/8" Rp 110 Vac (+10%/-15%) 50-60 Hz, 35 VA, IP 54 REPLACEMENT COIL: 224997 REPLACEMENT PWB: 266142 FORMERLY: 222-872		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	4.60	
		Weight (Kg.)	2.09	
DMV-D 507/11	**222873**			1,140.88
1/2", 3/4", 1" Rp or NPT 110 Vac (+10%/-15%) 50-60 Hz, 45 VA, IP 54 REPLACEMENT COIL: 225001 REPLACEMENT PWB: 266145 FORMERLY: 222-873		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	4.60	
		Weight (Kg.)	2.09	
DMV-D 512/11	**222826**			1,388.91
1", 1 1/4", 1 1/2", 2" Rp or NPT 110 Vac (+10%/-15%) 50-60 Hz, 65 VA, IP 54 REPLACEMENT COIL: 225005 REPLACEMENT PWB: 266149 FORMERLY: 222-826		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	11.80	
		Weight (Kg.)	5.36	

Model / Tech. Data	Order No.			List Price
DMV-D 520/11	**222823**			1,595.61
1“, 1 1/4“, 1 1/2“, 2“ Rp or NPT 110 Vac (+10%/-15%) 50-60 Hz, 90 VA, IP 54 REPLACEMENT COIL: 225049 REPLACEMENT PWB: 266149 FORMERLY: 222-823		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 12.40 5.63	
DMV-D 503/11	**222326**			1,043.49
3/8” Rp 230 Vac (+10%/-15%) 50-60 Hz, 35 VA, IP 54 REPLACEMENT COIL: 224980 REPLACEMENT PWB: 266141 FORMERLY: 222-326		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 4.60 2.09	
DMV-D 507/11	**222331**			1,140.88
1/2“, 3/4“, 1“ Rp or NPT 230 Vac (+10%/-15%) 50-60 Hz, 45 VA, IP 54 REPLACEMENT COIL: 225000 REPLACEMENT PWB: 266144 FORMERLY: 222-331		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 4.60 2.09	
DMV-D 512/11	**222336**			1,388.91
1“, 1 1/4“, 1 1/2“, 2“ Rp or NPT 230 Vac (+10%/-15%) 50-60 Hz, 65 VA, IP 54 REPLACEMENT COIL: 225004 REPLACEMENT PWB: 266147 FORMERLY: 222-336		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 11.80 5.36	
DMV-D 520/11	**221924**			1,595.61
1“, 1 1/4“, 1 1/2“, 2“ Rp or NPT 230 Vac (+10%/-15%) 50-60 Hz, 90 VA, IP 54 REPLACEMENT COIL: 225048 REPLACEMENT PWB: 266147 FORMERLY: 221-924		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 12.40 5.63	
DMV-DLE 507/11	**222878**			1,223.58
1/2“, 3/4“, 1“ Rp or NPT 110 Vac (+10%/-15%) 50-60 Hz, 45 VA, IP 54 REPLACEMENT COIL: 225001 REPLACEMENT PWB: 266145 FORMERLY: 222-878		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 4.80 2.18	
DMV-DLE 512/11	**222882**			1,471.57
1“, 1 1/4“, 1 1/2“, 2“ Rp or NPT 110 Vac (+10%/-15%) 50-60 Hz, 65 VA, IP 54 REPLACEMENT COIL: 225005 REPLACEMENT PWB: 266149 FORMERLY: 222-882		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 10.40 4.72	
DMV-DLE 520/11	**222889**			1,678.28
1“, 1 1/4“, 1 1/2“, 2“ Rp or NPT 110 Vac (+10%/-15%) 50-60 Hz, 90 VA, IP 54 REPLACEMENT COIL: 225049 REPLACEMENT PWB: 266149 FORMERLY: 222-889		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 1 12.60 5.72	

Model / Tech. Data	Order No.			List Price
DMV-DLE 503/11	**222327**			1,074.05
3/8" Rp 230 Vac (+10%/-15%) 50-60 Hz, 35 VA, IP 54 REPLACEMENT COIL: 224980 REPLACEMENT PWB: 266141 FORMERLY: 222-327		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	4.60	
		Weight (Kg.)	2.09	
DMV-DLE 507/11	**222332**			1,223.58
1/2", 3/4", 1" Rp or NPT 230 Vac (+10%/-15%) 50-60 Hz, 45 VA, IP 54 REPLACEMENT COIL: 225000 REPLACEMENT PWB: 266144 FORMERLY: 222-332		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	4.80	
		Weight (Kg.)	2.18	
DMV-DLE 512/11	**222337**			1,471.57
1", 1 1/4", 1 1/2", 2" Rp or NPT 230 Vac (+10%/-15%) 50-60 Hz, 65 VA, IP 54 REPLACEMENT COIL: 225004 REPLACEMENT PWB: 266147 FORMERLY: 222-337		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	10.40	
		Weight (Kg.)	4.72	
DMV-DLE 520/11	**222599**			1,678.28
1", 1 1/4", 1 1/2", 2" Rp or NPT 230 Vac (+10%/-15%) 50-60 Hz, 90 VA, IP 54 REPLACEMENT COIL: 225048 REPLACEMENT PWB: 266147 FORMERLY: 222-599		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	12.60	
		Weight (Kg.)	5.72	
DMV-D 507/11	**222875**			1,171.44
1/2", 3/4", 1" Rp or NPT 24Vdc (-10%/-15%), 45VA, IP 54 REPLACEMENT COIL: 225003 REPLACEMENT PWB: 266146 FORMERLY: 222-875		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	4.80	
		Weight (Kg.)	2.18	
DMV-D 512/11	**222828**			1,419.47
1", 1 1/4", 1 1/2", 2" Rp or NPT 24Vdc (-10%/-15%), 65VA, IP 54 REPLACEMENT COIL: 225028 REPLACEMENT PWB: 266151 FORMERLY: 222-828		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	10.40	
		Weight (Kg.)	4.72	
DMV-D 520/11	**222825**			1,626.17
1", 1 1/4", 1 1/2", 2" Rp or NPT 24Vdc (-10%/-15%), 90VA, IP 54 REPLACEMENT COIL: 225051 REPLACEMENT PWB: 266151 FORMERLY: 222-825		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	12.60	
		Weight (Kg.)	5.72	
DMV-DLE 507/11	**222876**			1,254.12
1/2", 3/4", 1" Rp or NPT 24Vdc (-10%/-15%), 45VA, IP 54 REPLACEMENT COIL: 225003 REPLACEMENT PWB: 266146 FORMERLY: 222-876		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	4.80	
		Weight (Kg.)	2.18	

1 Dual Modular Valves - DMV-D(LE)

Model / Tech. Data	*Order No.*			List Price
DMV-DLE 512/11	**222884**			1,502.13
1", 1 1/4", 1 1/2", 2" Rp or NPT 24Vdc (-10%/-15%), 65VA, IP 54 REPLACEMENT COIL: 225028 REPLACEMENT PWB: 266151 FORMERLY: 222-884		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	10.40	
		Weight (Kg.)	4.72	
DMV-DLE 520/11	**222890**			1,708.84
1", 1 1/4", 1 1/2", 2" Rp or NPT 24Vdc (-10%/-15%), 90VA, IP 54 REPLACEMENT COIL: 225051 REPLACEMENT PWB: 266151 FORMERLY: 222-890		**Delivery Info**	C	
		Product Group	1	
		Weight (lbs.)	12.60	
		Weight (Kg.)	5.72	



Description
The DUNGS Two-Stage Dual Modular Valve (DMV-ZRD(LE)/602) combines two normally closed, automatic shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 2 (V2) incorporates two stages that can be field set at two different firing rates to modulate from high to low during gas burning equipment operation. Valve 1(V1) of the DMV-ZRD and DMV-ZRDLE series is fast opening and fast closing. Valve 2 (V2) is a two stage valve. V2 of the DMV-ZRD is fast opening, while V2 of the (DMV-ZRD(LE)/602) is slow-opening. Max. flow adjustment on V2 provides variable main flow on both models.

Application
The DUNGS DMV-ZRD is recommended for industrial and commercial heating applications where two safety shutoff valves in series that modulate between two firing rates are required. The DMV-ZRD/6 Dual Multi-Valve two stage is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Body sizes	DMV-ZRD(LE) 701/602	DMV-ZRD(LE) 702/602	DMV-ZRD(LE) 703/602
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz; 220 - 240 Vac/50 - 60 Hz		
Enclosure rating	NEMA Type 12		
Electrical connection Stage 1 (V1& V2)	DIN-connector with 1/2" NPT conduit adapter		
Electrical connection Stage 2 (V2)	Screw terminals with 1/2" NPT conduit connection		
Operating time	100 % duty cycle		
Ambient temperature rating	-20 °F to +150 °F (-30 °C to +65 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); Valve 1(V1) of the DMV-ZRD and DMV-ZRDLE series is fast opening and fast closing. Valve 2 (V2) is a two stage valve. V2 of the DMV-ZRD is fast opening, while V2 of the DMV-ZRDLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV-ZRD 701/602	**231844**			1,375.40
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 70 VA, NEMA Type 12 REPLACEMENT COIL: 251680 and 232401 REPLACEMENT PWB for Stage 1: 238803 FORMERLY: 231-844		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 5 6.60 3.00	
DMV-ZRD 702/602	**232025**			1,619.68
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 120 VA, NEMA Type 12 REPLACEMENT COIL: 251681 and 232402 REPLACEMENT PWB for Stage 1: 238806 FORMERLY: 232-025		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 5 14.30 6.49	
DMV-ZRD 703/602	**232079**			1,826.32
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12 REPLACEMENT COIL: 251682 and 232403 REPLACEMENT PWB for Stage 1: 238806 FORMERLY: 232-079		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 5 18.10 8.22	

5 Dual Modular Valves Two Stage - DMV-ZRD(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-ZRDLE 701/602	**232173**	1,506.89

1/2“, 3/4“, 1“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 70 VA, NEMA Type 12
REPLACEMENT COIL: 251680 and 232401
REPLACEMENT PWB for Stage 1: 238803
Replacement Hydraulic Brake: 240458
FORMERLY: 232-173

Delivery Info	B
Product Group	5
Weight (lbs.)	6.80
Weight (Kg.)	3.09

DMV-ZRDLE 702/602	**232214**

1“, 1 1/4“, 1 1/2“, 2” NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 120 VA, NEMA Type 12
REPLACEMENT COIL: 251681 and 232402
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458
FORMERLY: 232-214

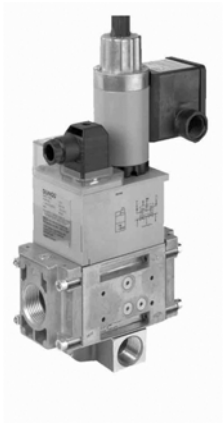
Delivery Info	B
Product Group	5
Weight (lbs.)	14.60
Weight (Kg.)	6.63

DMV-ZRDLE 703/602	**232232**	1,957.82

1“, 1 1/4“, 1 1/2“, 2” NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251682 and 232403
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458
FORMERLY: 232-232

Delivery Info	B
Product Group	5
Weight (lbs.)	18.30
Weight (Kg.)	8.31



Description
The DUNGS Two-Stage Dual Modular Valve (DMV-ZRD(LE)/602 with VLA) combines all the features of the DMV-ZRD(LE) Dual Modular Valve with a factory installed vent line connection between the two automatic shutoff valves.
For main gas lines:
• Up to 1 1/2"; vent line must be 3/4"
• 2"; vent line must be 1"

Application
The DUNGS DMV-ZRD is recommended for industrial and commercial heating applications where two safety shutoff valves in series with a vent line connection between the safety shutoff valves that modulate between two firing rates are required. The DMV-ZRD/6 Dual Multi-Valve two stage is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to User Manual
Link to Data Sheet

Harmonized Code: 84814090

Specifications

Body sizes	DMV-ZRD(LE) 701/602	DMV-ZRD(LE) 702/602	DMV-ZRD(LE) 703/602
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz; 220 - 240 Vac/50 - 60 Hz		
Enclosure rating	NEMA Type 12		
Electrical connection Stage 1 (V1& V2)	DIN-connector with 1/2" NPT conduit adapter		
Electrical connection Stage 2 (V2)	Screw terminals with 1/2" NPT conduit connection		
Operating time	100 % duty cycle		
Ambient temperature rating	-20 °F to +150 °F (-30 °C to +65 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); Valve 1(V1) of the DMV-ZRD and DMV-ZRDLE series is fast opening and fast closing. Valve 2 (V2) is a two stage valve. V2 of the DMV-ZRD is fast opening, while V2 of the DMV-ZRDLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models; Refer to Flow Curves for Body Selection.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. Two visual indicators, (VI) 266949 or one CPI 400 (CPI) 266968, and one VI meet this requirement. These also must be ordered separately.

Model / Tech. Data	*Order No.*			List Price
DMV-ZRD 701/602 with VLA	**231-844V**			1,524.74
3/4",1/2", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 70 VA, NEMA Type 12 REPLACEMENT COIL: 251680 and 232401 REPLACEMENT PWB for Stage 1: 238803		**Delivery Info**	C	
		Product Group	5	
		Weight (lbs.)	7.10	
		Weight (Kg.)	3.22	
DMV-ZRD 702/602 with VLA	**232-025V**			1,769.02
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 130 VA, NEMA Type 12 REPLACEMENT COIL: 251681 and 232402 REPLACEMENT PWB for Stage 1: 238806		**Delivery Info**	C	
		Product Group	5	
		Weight (lbs.)	14.80	
		Weight (Kg.)	6.72	
DMV-ZRD 703/602 with VLA	**232-079V**			1,975.66
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12 REPLACEMENT COIL: 251682 and 232403 REPLACEMENT PWB for Stage 1: 238806		**Delivery Info**	C	
		Product Group	5	
		Weight (lbs.)	18.60	
		Weight (Kg.)	8.44	

5 Dual Modular Valves Two Stage with Vent Line Adapter - DMV-ZRD(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-ZRDLE 701/602 with VLA	**267028**	1,656.23

3/4“,1/2“, 1“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251680 and 232401
REPLACEMENT PWB for Stage 1: 238803
Replacement Hydraulic Brake: 240458
FORMERLY: 232-173V

Delivery Info	C
Product Group	5
Weight (lbs.)	7.20
Weight (Kg.)	3.27

DMV-ZRDLE 702/602 with VLA **232-214V** 1,900.52

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251681 and 232402
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458

Delivery Info	C
Product Group	5
Weight (lbs.)	14.90
Weight (Kg.)	6.76

DMV-ZRDLE 703/602 with VLA **232-232V** 2,107.16

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251682 and 232403
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458

Delivery Info	C
Product Group	5
Weight (lbs.)	18.70
Weight (Kg.)	8.49



Description
The DUNGS Dual Modular Valve (DMV-ZRD(LE)/612) with Proof of Closure combines all the features of the DUNGS Dual Modular Valve DMV-ZRD(LE)/6 plus, valve 1 incorporates overtravel and a proof of closure switch which is factory mounted and set.

Application
The DUNGS DMV-ZRD(LE)/612 is recommended for industrial and commercial heating applications where two safety shutoff valves in series that modulate between two firing rates and applications that require overtravel and a proof of closure switch. The DMV-ZRD(LE)/612 is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to User Manual
Link to Data Sheet

Harmonized Code: 84814090

Specifications

Body sizes	DMV-ZRD(LE) 702/612	DMV-ZRD(LE) 703/612
Pipe size / thread	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA
Max. close off pressure	10 PSI (700 mbar)	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz	
Enclosure rating	NEMA Type 12	
Electrical connection Stage 1 (V1& V2)	DIN-connector with 1/2" NPT conduit adapter	
Electrical connection Stage 2 (V2)	Screw terminals with 1/2" NPT conduit connection	
Operating time	100 % duty cycle	
Ambient temperature rating	-20 °F to +150 °F (-30 °C to +65 °C)	

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-ZRD - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-ZRDLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. The visual indicator must be ordered separately for valve 2. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*	List Price
DMV-ZRD 701/612	**267094**	1,716.00
1/2", 3/4", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 70 VA, NEMA Type 12 REPLACEMENT COIL: 251680 and 232401 REPLACEMENT PWB for Stage 1: 238803 FORMERLY: 244-730P	**Delivery Info** C **Product Group** 5 **Weight** (lbs.) 6.60 **Weight** (Kg.) 3.00	
DMV-ZRD 702/612	**267096**	1,960.28
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 120 VA, NEMA Type 12 REPLACEMENT COIL: 251681 and 232402 REPLACEMENT PWB for Stage 1: 238806 FORMERLY: 244-732P	**Delivery Info** C **Product Group** 5 **Weight** (lbs.) 14.30 **Weight** (Kg.) 6.49	
DMV-ZRD 703/612	**267099**	2,166.92
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12 REPLACEMENT COIL: 251682 and 232403 REPLACEMENT PWB for Stage 1: 238806 FORMERLY: 244-734P	**Delivery Info** C **Product Group** 5 **Weight** (lbs.) 18.10 **Weight** (Kg.) 8.22	

5 Dual Modular Valves Two Stage with Proof of Closure - DMV-ZRD(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-ZRDLE 701/612	**267095**	1,847.49

1/2“, 3/4“, 1“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 70 VA, NEMA Type 12
REPLACEMENT COIL: 251680 and 232401
REPLACEMENT PWB for Stage 1: 238803
Replacement Hydraulic Brake: 240458
FORMERLY: 244-731P

Delivery Info	C
Product Group	5
Weight (lbs.)	6.80
Weight (Kg.)	3.09

DMV-ZRDLE 702/612	**267098**

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 120 VA, NEMA Type 12
REPLACEMENT COIL: 251681 and 232402
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458
FORMERLY: 244-733P

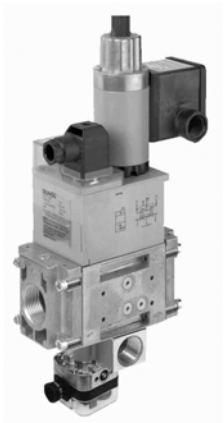
Delivery Info	C
Product Group	5
Weight (lbs.)	14.60
Weight (Kg.)	6.63

DMV-ZRDLE 703/612	**267100**

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251682 and 232403
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458
FORMERLY: 244-735P

Delivery Info	C
Product Group	5
Weight (lbs.)	18.30
Weight (Kg.)	8.31



Description
The DUNGS Dual Modular Valve (DMV-ZRD(LE)/612) incorporates overtravel and a proof of closure switch which is factory mounted and set with a Vent Line Adapter (VLA) that is also factory installed.
For main gas lines:
• Up to 1 1/2"; vent line must be 3/4"
• 2"; vent line must be 1"

Application
The DMV-VLA is recommended for industrial and commercial heating applications that require two safety shutoff valves with valve 2 Incorporating overtravel and a proof of closure switch and a vent line connection between the safety shutoff valves. The DMV-ZRD(LE) is suitable for natural gas, propane, butane, air and other inert gases.

Optional Approvals
When ordered and installed with Burkert connector plug (part number 253731), the UL Recognized DMV valve may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Body sizes	DMV-ZRD(LE) 701/612	DMV-ZRD(LE) 702/612	DMV-ZRD(LE) 703/612
Pipe size / thread	1/2" - 1" NPT or Rp	1" - 2" NPT or Rp	1" - 2" NPT or Rp
Max. operating pressure	7 PSI (500 mbar) UL, FM	5 PSI (360 mbar) CSA	
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz; 220 - 240 Vac/50 - 60 Hz		
Enclosure rating	NEMA Type 12		
Electrical connection Stage 1 (V1& V2)	DIN-connector with 1/2" NPT conduit adapter		
Electrical connection Stage 2 (V2)	Screw terminals with 1/2" NPT conduit connection		
Operating time	100 % duty cycle		
Ambient temperature rating	-20 °F to +150 °F (-30 °C to +65 °C)		

Aluminum body; Inlet, intermediate and outlet side taps (G1/8 ISO 228); Inlet gas strainer installed in the housing upstream valves (23 mesh screen); DMV-D - V1 fast opening & closing (<1 s), V2 fast opening & closing (<1 s); DMV-DLE - V1 fast opening & closing (<1s); V2 slow opening 20s MAX @ 70F & fast closing (<1 s); V2 on both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection. Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately. Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 meets this requirement. The visual indicator must be ordered separately for valve 1. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).

Model / Tech. Data	*Order No.*			List Price
DMV-ZRD 701/612 with VLA	**244-730VP**			1,865.34
3/4",1/2", 1" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 70 VA, NEMA Type 12 REPLACEMENT COIL: 251680 and 232401 REPLACEMENT PWB for Stage 1: 238803		**Delivery Info**	C	
		Product Group	5	
		Weight (lbs.)	7.60	
		Weight (Kg.)	3.45	
DMV-ZRD 702/612 with VLA	**267097**			2,109.62
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 130 VA, NEMA Type 12 REPLACEMENT COIL: 251681 and 232402 REPLACEMENT PWB for Stage 1: 238806 FORMERLY: 244-732VP		**Delivery Info**	C	
		Product Group	5	
		Weight (lbs.)	15.20	
		Weight (Kg.)	6.90	
DMV-ZRD 703/612 with VLA	**244-734VP**			2,316.26
1", 1 1/4", 1 1/2", 2" NPT or Rp 120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12 REPLACEMENT COIL: 251682 and 232403 REPLACEMENT PWB for Stage 1: 238806		**Delivery Info**	C	
		Product Group	5	
		Weight (lbs.)	19.10	
		Weight (Kg.)	8.67	

5 Dual Modular Valves Two Stage with Proof of Closure & Vent Line Adapter - DMV-ZRD(LE)

Model / Tech. Data	*Order No.*	List Price
DMV-ZRDLE 701/612 with VLA	**280059**	1,996.83

3/4“,1/2“, 1“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251680 and 232401
REPLACEMENT PWB for Stage 1: 238803
Replacement Hydraulic Brake: 240458

Delivery Info	C
Product Group	5
Weight (lbs.)	7.70
Weight (Kg.)	3.50

DMV-ZRDLE 702/612 with VLA	**244-733VP**	2,241.12

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251681 and 232402
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458

Delivery Info	C
Product Group	5
Weight (lbs.)	15.30
Weight (Kg.)	6.95

DMV-ZRDLE 703/612 with VLA	**244-735VP**	2,447.76

1“, 1 1/4“, 1 1/2“, 2“ NPT or Rp

120 Vac (+10%/-15%) 50-60 Hz, 135 VA, NEMA Type 12
REPLACEMENT COIL: 251682 and 232403
REPLACEMENT PWB for Stage 1: 238806
Replacement Hydraulic Brake: 240458

Delivery Info	C
Product Group	5
Weight (lbs.)	19.20
Weight (Kg.)	8.72



Description:
The MBC 65 series GasMultiBloc valve is a multifunctional safety control that incorporates two fast closing safety shutoff valves, pressure regulator, and filter all integrated into a compact housing. The MBC 65 also includes an adjustable low fire bypass of the pressure regulator function as well as a maximum flow adjustment and an adjustable slow-opening feature. Note: The adjustable low fire bypass is closed when shipped from the factory.
The MBC 65 is not available with visual indication or proof-of-closure so for NFPA 86 applications the valve is limited to 150,000 Btu/hr or less. For other applications not requiring VI or POC the MBC 65 may be used at higher capacities.

Application:
The MBC 65 modular system is suitable for use with fuel gases of gas families 1, 2, and 3 as well as other neutral gaseous media.
The MBC 65 series valves are intended for the following applications.
• Pilot valves where the pilot gas flow is 150,000 btu/hr or less.
• Main fuel valves for industrial bakery ovens where the individual burner capacity is 150,000 btu/hr or less.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Solenoid valve V1: Valve as per DIN 161 Class A Group 2, fast closing, fast opening
Solenoid valve V2: Valve as per DIN 161 Glass A Group 2, fast closing, fast opening
MBC-…-DLE: Valves are fast closing, Pressure Regulator is slow opening

Voltage: 110VAC
Temperature Rating: -15°C to 60°C / 5°F to 140°F
Pressure rating: CSA Certified to 0.5 Psig to ANSI Z21.78/CSA 6.20, and 5 Psig to ANSI Z21.21/CSA 6.5 and ANSI Z21.18/CSA 6.3. Not recommended to exceed 3 Psig inlet pressure for optimum performance of regulator.

Required accessories include/ (sold separately):
Inlet/outlet flanges ½" NPT (244439) or 1/2 BSP (259242) see Customer Service for pricing
DIN Connector (210319)
Conduit Adaptor (M20-1/2NPT) (240671)

Model / Tech. Data	*Order No.*		List Price
MBC-65-DLE-S20 110V AC	**294390**		591.38
No Replacement Coil is Available 5 PSIG		**Delivery Info** B **Product Group** 5 **Weight** (lbs.) 2.69 **Weight** (Kg.) 1.22	
MBC-65-DLE-S40 110V AC	**294391**		591.38
No Replacement Coil is Available 5 PSIG		**Delivery Info** B **Product Group** 5 **Weight** (lbs.) 2.69 **Weight** (Kg.) 1.22	



Description:
The DUNGS MBE consists of one valve body (VB series) and two valve drives (VD series) and combines two normally closed, safety shutoff valves in one compact housing. The VB-L series comes standard with a factory installed vent line connection between the two valves whereas the standard VB series does not. The Valve Drives (VD-X) come standard with a mechanical valve position indicator and are available as an on/off shutoff valve (VD-V) or as an on/off shutoff valve with pressure regulator (VD-R). VD-X-POC incorporates overtravel and a proof of closure switch. The VD-R requires an additional Pressure Sensor (PS) based on the outlet pressure desired. The combination VD-R with PS is available as a zero governor/ratio regulator or as a positive outlet pressure regulator with two options, up to 200" W.C. (~7.2 PSI). Each Valve Drive is slow opening (~ 7 s) and fast closing (< 1 s).

Application:
The MBE is recommended for industrial and commercial heating applications that require two safety shutoff valves in series. The MBE is suitable for natural gas, vaporized propane or butane, air, 100% hydrogen, biogas up to max. 1% vol. H2S, and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: VARIES BY

Specifications

MAX Inlet Pressure:	VB-050: 600 mbar VB-065 to VB-150: 700 mbar VB-2L: 8 PSI (240" w.c.) VB-2 1/2L - VB-6L: 10 PSI (280" w.c.)
Operating Temp Range:	-4°F - 140°F (-20°C to 60°C)

The Burkert connector plug type 2509 (part number 253731) is required for the power and for the proof of closure wiring, if applicable, to comply with UL429 & ANSI Z21.21/ CSA 6.5 C/I. The MBE may replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 295/UL 795. For Non-UL Listed/CSA applications: Din Connector 210319 is required for Actuators without Proof of Closure. Din Connector 210318 is required for Actuators with Proof of Closure.
The MBE, except MBE 100, meets the following approvals: UL Listed to UL429 & ANSI Z21.21/ CSA 6.5 & ANSI Z21.18/CSA 6.3. MBE 100 is UL Recognized to the same standards as above. All models are FM Approved to FM 7400.
See page 170.1 for Assembly pricing. For assemblies, the cable and sensor ship loose, if purchased.

Model / Tech. Data	*Order No.*		List Price
VB-2L	**274847**		648.30
Valve Body - 2" (2) 1 1/2" NPT flange (222003) or (2) 2" NPT flange (221997) required		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 9.00 **Weight** (Kg.) 4.09	
VB-2.5L	**274660**		2,072.10
Valve Body - 2.5" Connects to ANSI or ISO flanges Raised Face Flanges Required Seals: 267465 Bolts: M16X65 (153930) 4 sets required per flange		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 19.62 **Weight** (Kg.) 8.91	
VB-3L	**274662**		3,001.35
Valve Body - 3" Connects to ANSI or ISO flanges Raised Face Flanges Required Seals: 267466 Bolts: M16x65 (153930) 8 sets required per flange		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 21.61 **Weight** (Kg.) 9.81	

Model / Tech. Data	Order No.			List Price
VB-4L	**274664**			5,130.75
Valve Body - 4" Connects to ANSI Flanges Raised Face Flanges Required Seals: 267467 Bolts: M16x65 (153930) 8 sets required per flange		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 27.17 12.34	
VB-5L	**274666**			7,480.40
Valve Body - 5" Connects to ANSI flanges Raised Face Flanges Required Seals: 267468 Bolts: M20x90 (135960) 8 sets required per flange FM & UL Approvals PENDING		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 33.30 15.12	
VB-6L	**274668**			8,787.62
Valve Body - 6" Connects to ANSI and ISO flanges Raised Face Flanges Required Bolts:M20x90 (135960) 8 sets required per flange Approvals PENDING		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7	
VB-050	**274846**			713.13
Valve Body - DN 50 (2) 1 1/2" Rp flange (221884) or (2) 2" Rp flange (221926) required		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 9.00 4.09	
VB-065	**274659**			2,279.31
Valve Body - DN 65 Connects to ANSI or ISO flanges Raised Face Flanges Required. Seals: 267465 Bolts: M16x65 (153930) 4 set required per flange		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 20.00 9.08	
VB-080	**274661**			3,301.49
Valve Body - DN 80 Connects to ANSI or ISO flanges Rasied Face Flanges Required Seals: 267466 Bolts: M16x65 (153930) 8 Sets required per flange		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 22.00 9.99	
VB-100	**274663**			5,643.83
Valve Body - DN 100 Connects to ISO flanges Raised Face Flanges Required. Seals: 267467 Bolts: M16x65 (153930) 8 sets required per flange		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 27.00 12.26	
VB-125	**274665**			8,228.44
Valve Body - DN 125 Connects to ISO flanges Raised Face Flanges Required Seals: 267468 Bolts: M20x90 (135960) 8 sets required per flange FM & UL Approvals PENDING		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 7 33.00 14.98	

Model / Tech. Data	Order No.		List Price
VB-150	**274667**		9,666.38
Valve Body - DN 150 Connects to ANSI and ISO flanges Raised Face Flanges Required Bolts: M20x90 (135960) 8 sets required FM & UL Approvals PENDING		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 33.00 **Weight** (Kg.) 14.98	
VD-V-AC-POC	**275358**		601.95
ON/OFF Actuator - rated for 100-240VAC 50/60Hz w/ Proof Of Closure		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.58 **Weight** (Kg.) 2.53	
VD-R-AC-POC	**275361**		666.30
ON/OFF Actuator - rated for 100-240VAC 50/60Hz w/ Proof Of Closure and outlet pressure regulation (requires Pressure Sensor)		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.51 **Weight** (Kg.) 2.50	
VD-V-DC-POC	**275360**		905.09
ON/OFF Actuator - rated for 24 VDC w/ Proof Of Closure		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.56 **Weight** (Kg.) 2.52	
VD-R-DC-POC	**275363**		1,199.54
ON/OFF Actuator - rated for 24 VDC w/ Proof Of Closure and outlet pressure regulation (requires Pressure Sensor)		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.64 **Weight** (Kg.) 2.56	
VD-V-AC	**272262**		496.95
ON/OFF Actuator - rated for 100-240VAC 50/60Hz		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.42 **Weight** (Kg.) 2.46	
VD-R-AC	**274654**		561.30
ON/OFF Actuator - rated for 100-240VAC 50/60Hz and outlet pressure regulation (requires Pressure Sensor)		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.47 **Weight** (Kg.) 2.48	
VD-V-DC	**275359**		800.09
ON/OFF Actuator - rated for 24VDC		**Delivery Info** NP **Product Group** 7 **Weight** (lbs.) 5.45 **Weight** (Kg.) 2.47	

Model / Tech. Data	Order No.			List Price
VD-R-DC	**275362**			1,094.54
ON/OFF Actuator - rated for 24VDC and outlet pressure regulation (requires Pressure Sensor)		**Delivery Info**	NP	
		Product Group	7	
		Weight (lbs.)	5.47	
		Weight (Kg.)	2.48	
PS-0	**275265**			334.32
Pressure Sensor (for use with VD-R series only) 0 +/- 2" w.c., 0 +/- 5 mbar, 0 +/- 5 kPa		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.22	
		Weight (Kg.)	0.10	
PS-10/40	**275263**			334.32
Pressure Sensor (for use with VD-R series only) 1.5-40" w.c., 4-100 mbar, 0.4-10 kPA		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.22	
		Weight (Kg.)	0.10	
PS-50/200	**275264**			334.32
Pressure Sensor (for use with VD-R series only) 8 - 200" w.c., 20-500 mbar, 2 - 50 kPA		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.22	
		Weight (Kg.)	0.10	
Cable, 1.5m	**276911**			64.38
Cable for connecting VD-R series with Pressure Sensor		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.26	
		Weight (Kg.)	0.12	



DUNGS®
Combustion Controls

Single Automatic Shutoff Valves

Product	Model	Page
Single Automatic Shut-off Valves - MV-D(LE)	US	30.1
Single Automatic Shut-off Valves - MV-D(LE)	EU	31.1
Single Automatic Shut-off Valves - NEMA Type 4 with Proof of Closure - SV-(DLE)	US	32.1
Single Automatic Shut-off Valves - NEMA Type 4 - SV-(DLE)	US	33.1
Single Automatic Shut-Off Valves IP 65 - SV-(DLE)	EU	34.1
High Pressure Valves-HPSV ∗**New Product**∗	US	35.1

DUNGS®
Combustion Controls



Description
The DUNGS MVD/6 and MVDLE/6 electrically operated, normally closed, automatic shutoff valves for gas burning equipment.

Application
The MVD/6 and MVDLE/6 are recommended for industrial and commercial heating applications that require one or two automatic shutoff valves in series. The MVD and MVDLE valves are suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Pipe thread (NPT)	1/2" 3/4" 1" 1 1/4" 1 1/2" 2" 2 1/2" 3"
Max. operating pressure	MVD - 7 PSI (500 mbar) [5 PSI @ CSA]; MVDLE - 3 PSI (200 mbar) [2 PSI @ CSA]
Electrical ratings (+10% / -15%)	110 - 120 Vac/60 Hz; 24 Vac/60 Hz (Some Models) 24 Vdc
Enclosure rating	NEMA Type 12 (.../602 Series) NEMA Type 4 (.../604 Series)
Electrical connection	Screw terminals with 1/2" NPT conduit connection
Operating time	100 % duty cycle
Ambient temperature rating	-20 °F to +120 °F (-30 °C to +50°C),

Aluminum body; Inlet and outlet side taps (1/4” NPT); Inlet gas strainer installed in the housing upstream valve (23 mesh screen); MVD - fast opening & closing (<1 s), MVDLE - slow opening 20s MAX @ 70F & fast closing (<1 s); both models feature a manually adjustable flow rate (<10 -100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 and CPI 400 (266968) meet this requirement. These must be ordered separately.

Model / Tech. Data	Order No.			List Price
MVD 505/602	**217641**			475.37
1/2“ NPT 120 Vac (+10%/-15%), 60 Hz 15 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 100: 230983 FORMERLY: 217-641		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 11 2.60 1.18	
MVD 507/602	**217606**			516.73
3/4“ NPT 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 230986 FORMERLY: 217-606		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 11 5.90 2.68	
MVD 510/602	**217436**			578.72
1“ NPT 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 230986 FORMERLY: 217-436		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 11 5.70 2.59	

Model / Tech. Data	Order No.		List Price
MVD 512/602	**217438**		637.61
1 1/4“ NPT 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 300: 230989 FORMERLY: 217-438		**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 13.10 **Weight** (Kg.) 5.95	
MVD 515/602	**217439**		657.30
1 1/2“ NPT 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 300: 230989 FORMERLY: 217-439		**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 13.10 **Weight** (Kg.) 5.95	
MVD 520/602	**217440**		1,020.09
2“ NPT 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 400: 230991 FORMERLY: 217-440		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 20.20 **Weight** (Kg.) 9.17	
MVD 525/602	**217441**		1,604.56
2 1/2“ NPT 120 Vac (+10%/-15%), 60 Hz 80 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 500: 230992 FORMERLY: 217-441		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 34.30 **Weight** (Kg.) 15.57	
MVD 530/602	**217442**		2,272.70
3“ NPT 120 Vac (+10%/-15%), 60 Hz 90 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 550: 230993 FORMERLY: 217-442		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 54.70 **Weight** (Kg.) 24.83	
MVD 505/602	**217640**		475.37
1/2“ NPT 24 Vac (+10%/-15%), 60 Hz 15 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 100: 240310 FORMERLY: 217-640		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 2.60 **Weight** (Kg.) 1.18	
MVD 507/602	**278127**		516.73
3/4“ NPT 24 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 240311 FORMERLY: 217-435		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 5.90 **Weight** (Kg.) 2.68	
MVD 510/602	**217437**		578.72
1“ NPT 24 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 240311 FORMERLY: 217-437		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77	

Model / Tech. Data	Order No.	List Price
MVDLE 205/602	**216870**	558.05
1/2“ NPT 120 Vac (+10%/-15%), 60 Hz 15 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 100: 230983 Replacement Hydraulic Brake: 223159 FORMERLY: 216-870	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 2.80 **Weight** (Kg.) 1.27	
MVDLE 207/602	**216589**	599.38
3/4“ NPT 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 230986 Replacement Hydraulic Brake: 223158 FORMERLY: 216-589	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 6.20 **Weight** (Kg.) 2.81	
MVDLE 210/602	**216590**	661.40
1“ NPT 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 230986 Replacement Hydraulic Brake: 223158 FORMERLY: 216-590	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 6.00 **Weight** (Kg.) 2.72	
MVDLE 212/602	**217250**	668.16
1 1/4“ NPT 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 300: 230989 Replacement Hydraulic Brake: 223158 FORMERLY: 217-250	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 13.50 **Weight** (Kg.) 6.13	
MVDLE 215/602	**216631**	687.28
1 1/2“ NPT 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 300: 230989 Replacement Hydraulic Brake: 223158 FORMERLY: 216-631	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 13.30 **Weight** (Kg.) 6.04	
MVDLE 220/602	**216632**	1,052.16
2“ NPT 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 300: 230989 Replacement Hydraulic Brake: 223158 FORMERLY: 216-632	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 14.20 **Weight** (Kg.) 6.45	
MVDLE 225/602	**216633**	1,635.94
2 1/2“ NPT 120 Vac (+10%/-15%), 60 Hz 80 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 400: 230991 Replacement Hydraulic Brake: 223157 FORMERLY: 216-633	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08	
MVDLE 230/602	**217251**	2,304.07
3“ NPT 120 Vac (+10%/-15%), 60 Hz 90 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 500: 230992 Replacement Hydraulic Brake: 223157 FORMERLY: 217-251	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 38.30 **Weight** (Kg.) 17.39	

Model / Tech. Data	Order No.		List Price
MVDLE 205/602	**217320**		558.05
1/2“ NPT 24 Vac (+10%/-15%), 60 Hz 15 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 100: 240310 Replacement Hydraulic Brake: 223159 FORMERLY: 217-320		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 2.60 **Weight** (Kg.) 1.18	
MVDLE 207/602	**217321**		599.38
3/4“ NPT 24 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 240311 Replacement Hydraulic Brake: 223158 FORMERLY: 217-321		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 5.90 **Weight** (Kg.) 2.68	
MVDLE 210/602	**217322**		661.40
1“ NPT 24 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 12 REPLACEMENT COIL MAG TYPE 200: 240311 Replacement Hydraulic Brake: 223158 FORMERLY: 217-322		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.50 **Weight** (Kg.) 2.95	
MVD 505/604	**241000**		
1/2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 15 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 100: 240314 FORMERLY: 241-000		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 2.60 **Weight** (Kg.) 1.18	**PRICE ON REQUEST**
MVD 507/604	**241001**		
3/4“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 200: 240325 FORMERLY: 241-001		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 5.90 **Weight** (Kg.) 2.68	**PRICE ON REQUEST**
MVD 510/604	**241002**		
1“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 200: 240325 FORMERLY: 241-002		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 5.70 **Weight** (Kg.) 2.59	**PRICE ON REQUEST**
MVD 512/604	**241003**		
1 1/4“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 300: 240336 FORMERLY: 241-003		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 13.10 **Weight** (Kg.) 5.95	**PRICE ON REQUEST**
MVD 515/604	**241004**		
1 1/2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 300: 240336 FORMERLY: 241-004		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 13.10 **Weight** (Kg.) 5.95	**PRICE ON REQUEST**

Model / Tech. Data	Order No.		List Price
MVD 520/604	**241016**		
2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 400: 240340 FORMERLY: 241-016		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 20.20 **Weight** (Kg.) 9.17	**PRICE ON REQUEST**
MVD 525/604	**241005**		
2 1/2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 80 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 500: 240342 FORMERLY: 241-005		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 34.30 **Weight** (Kg.) 15.57	**PRICE ON REQUEST**
MVD 530/604	**241006**		
3“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 90 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 550: 240344 FORMERLY: 241-006		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 54.70 **Weight** (Kg.) 24.83	**PRICE ON REQUEST**
MVDLE 205/604	**240992**		
1/2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 15 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 100: 240314 FORMERLY: 240-992		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 2.80 **Weight** (Kg.) 1.27	**PRICE ON REQUEST**
MVDLE 207/604	**240993**		
3/4“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 200: 240325 FORMERLY: 240-993		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 6.20 **Weight** (Kg.) 2.81	**PRICE ON REQUEST**
MVDLE 210/604	**240994**		
1“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 200: 240335 FORMERLY: 240-994		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 6.00 **Weight** (Kg.) 2.72	**PRICE ON REQUEST**
MVDLE 212/604	**240995**		
1 1/4“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 25 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 300: 240336 FORMERLY: 240-995		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 13.50 **Weight** (Kg.) 6.13	**PRICE ON REQUEST**
MVDLE 215/604	**240996**		
1 1/2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 300: 240336 FORMERLY: 240-996		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 13.30 **Weight** (Kg.) 6.04	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*		List Price
MVDLE 220/604	**240997**		
2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 60 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 300: 240336 FORMERLY: 240-997	**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 14.20 **Weight** (Kg.) 6.45		**PRICE ON REQUEST**
MVDLE 225/604	**240998**		
2 1/2“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 80 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 400: 240340 FORMERLY: 240-998	**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08		**PRICE ON REQUEST**
MVDLE 230/604	**240999**		
3“ NPT OBSOLETE 120 Vac (+10%/-15%), 60 Hz 90 VA, NEMA Type 4 REPLACEMENT COIL MAG TYPE 500: 240342 FORMERLY: 240-999	**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 38.30 **Weight** (Kg.) 17.39		**PRICE ON REQUEST**



Description
The DUNGS MVD and the MVDLE electrically operated, normally closed, automatic shutoff valves for gas burning equipment.

Application
The DUNGS MVD and MVDLE are recommended for industrial and commercial heating applications that require one or two automatic shutoff valves in series. The MVD and MVDLE safety shutoff valves are suitable for natural gas, propane, butane, air and other inert gases.

CE

Link to Datasheet and User Manual for MVD
Link to Datasheet and User Manual for LGV

Harmonized Code: 84814090

Specifications

Pipe thread (RP)	1/2" 3/4" 1" 1 1/4" 1 1/2" 2"
Max. operating pressure	MVD - 7 PSI (500 mbar), MVDLE - 3 PSI (200 mbar)
Electrical ratings (+10% / -15%)	110 - 120 Vac/50 - 60 Hz; 220 - 240 Vac/50 - 60 Hz 24 Vdc
Enclosure rating	IP 54 (NEMA Type 12)
Electrical connection	Screw terminals with SO cord connection
Operating time	100 % duty cycle
Ambient temperature rating	+ 5 °F to +140 °F (-15 °C to +60 °C),

Aluminum body; Inlet side taps (G1/4"); Inlet gas strainer installed in the housing upstream valve (23 mesh screen); MVD fast opening & closing (<1 s), MVDLE - slow opening 20s MAX @ 70F & fast closing (<1 s); both models feature a manually adjustable flow rate (<10-100%); 100% duty cycle; Refer to Flow Curves for Body Selection.
European code requirements for position indication vary. The DUNGS K01 (266893) switch meets EN1531 and EN 161 code requirements for closed position signal contact.

Model / Tech. Data	Order No.			List Price
MVD 503/5	**267254**			498.80
Rp 3/8 110 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 223156 FORMERLY: 46060-1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 1.90 0.86	
MVD 505/5	**231100**			538.44
Rp 1/2 110 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 223156 FORMERLY: 231-100		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 2.60 1.18	
MVD 507/5	**231096**			585.27
Rp 3/4 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 224555 FORMERLY: 231-096		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 5.90 2.68	

Model / Tech. Data	Order No.	List Price
MVD 510/5	**231097**	655.51
Rp 1 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 224555 FORMERLY: 231-097	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77	
MVD 515/5	**267263**	704.01
Rp 1 1/2 110 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 224565 FORMERLY: 46060-5	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77	
MVD 520/5	**278026**	1,155.43
Rp 2 110 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 400: 224571 FORMERLY: 46060-6	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 20.20 **Weight** (Kg.) 9.17	
MVD 525/5	**233150**	1,734.19
Rp 2 1/2 110 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 500: 224574 FORMERLY: 233-150	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 32.00 **Weight** (Kg.) 14.53	
MVD 503/5	**158090**	498.80
Rp 3/8 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 214206 FORMERLY: 158-090	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 1.90 **Weight** (Kg.) 0.86	
MVD 505/5	**158110**	538.44
Rp 1/2 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 214206 FORMERLY: 158-110	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 2.60 **Weight** (Kg.) 1.18	
MVD 507/5	**157530**	585.27
Rp 3/4 230 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 214207 FORMERLY: 157-530	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 5.90 **Weight** (Kg.) 2.68	
MVD 510/5	**157540**	655.51
Rp 1 230 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 214207 FORMERLY: 157-540	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77	

Model / Tech. Data	Order No.		List Price
MVD 515/5	**157550**		704.01
Rp 1 1/2 230 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 214208 FORMERLY: 157-550	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77		
MVD 520/5	**167200**		1,155.43
Rp 2 230 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 400: 214209 FORMERLY: 167-200	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 20.20 **Weight** (Kg.) 9.17		
MVD 525/5	**170750**		1,817.43
Rp 2 1/2 230 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 500: 214210 FORMERLY: 170-750	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 32.00 **Weight** (Kg.) 14.53		
MVDLE 203/5	**226347**		
Rp 3/8 110 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 223156 FORMERLY: 226-347	**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 1.90 **Weight** (Kg.) 0.86	**PRICE ON REQUEST**	
MVDLE 205/5	**247481**		574.67
Rp 1/2 110 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 223156 FORMERLY: 247-481	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 2.80 **Weight** (Kg.) 1.27		
MVDLE 207/5	**267256**		617.22
Rp 3/4 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 224555 FORMERLY: 46060-13	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.20 **Weight** (Kg.) 2.81		
MVDLE 210/5	**195550**		681.04
Rp 1 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 224555 FORMERLY: 195-550	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 7.70 **Weight** (Kg.) 3.50		
MVDLE 215/5	**267257**		783.74
Rp 1 1/2 110 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 224565 FORMERLY: 46060-15	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 13.30 **Weight** (Kg.) 6.04		

Model / Tech. Data	Order No.		List Price
MVDLE 220/5	**46060-16**		
Rp 2 110 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 224565		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 14.20 **Weight** (Kg.) 6.45	**PRICE ON REQUEST**
MVDLE 225/5	**46060-17**		
Rp 2 1/2 110 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 400: 224571		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 24.00 **Weight** (Kg.) 10.90	**PRICE ON REQUEST**
MVDLE 203/5	**108597**		546.49
Rp 3/8 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 214206 FORMERLY: 108-597		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
MVDLE 205/5	**013284**		574.67
Rp 1/2 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 214206 FORMERLY: 013-284		**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 6.00 **Weight** (Kg.) 2.72	
MVDLE 207/5	**013276**		617.22
Rp 3/4 230 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 214207 FORMERLY: 013-276		**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 6.20 **Weight** (Kg.) 2.81	
MVDLE 210/5	**013524**		681.04
Rp 1 230 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 214207 FORMERLY: 013-524		**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 6.60 **Weight** (Kg.) 3.00	
MVDLE 215/5	**015412**		783.74
Rp 1 1/2 230 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 214208 FORMERLY: 015-412		**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 13.30 **Weight** (Kg.) 6.04	
MVDLE 220/5	**011775**		1,191.75
Rp 2 230 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 214208 FORMERLY: 011-775		**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 14.20 **Weight** (Kg.) 6.45	

Model / Tech. Data	Order No.		List Price
MVDLE 225/5	**118935**		1,852.97
Rp 2 1/2 230 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 500: 214210 FORMERLY: 118-935	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 26.60 **Weight** (Kg.) 12.08		
MVDLE 503/5	**222077**		504.73
Rp 3/8 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 214206 FORMERLY: 222-077	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 1.90 **Weight** (Kg.) 0.86		
MVDLE 505/5	**222078**		
Rp 1/2 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 120: 225790 FORMERLY: 222-078	**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 2.80 **Weight** (Kg.) 1.27	**PRICE ON REQUEST**	
MVDLE 507/5	**222079**		715.94
Rp 3/4 230 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 200: 214207 FORMERLY: 222-079	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.20 **Weight** (Kg.) 2.81		
MVDLE 510/5	**222080**		
Rp 1 230 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 54 REPLACEMENT COIL MAG TYPE 250: 225787 FORMERLY: 222-080	**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77	**PRICE ON REQUEST**	
MVDLE 515/5	**222081**		803.93
Rp 1 1/2 230 Vac (+10%/-15%), 50/60 Hz 60 VA, IP 54 REPLACEMENT COIL MAG TYPE 300: 214208 FORMERLY: 222-081	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 6.10 **Weight** (Kg.) 2.77		
MVDLE 520/5	**222082**		1,210.25
Rp 2 230 Vac (+10%/-15%), 50/60 Hz 90 VA, IP 54 REPLACEMENT COIL MAG TYPE 400: 214209 FORMERLY: 222-082	**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 20.20 **Weight** (Kg.) 9.17		
MV 502	**240825**		285.24
Rp 1/4 110 Vac (+10%/-15%), 50/60 Hz 5 VA, IP 54 REPLACEMENT COIL: 233101 FORMERLY: 240-825	**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23		

Model / Tech. Data	Order No.			List Price
MV 502	**215953**			285.24
Rp 1/4 230 Vac (+10%/-15%), 50/60 Hz 5 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 214206 FORMERLY: 215-953		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 0.50 0.23	
MV 502	**218971**			285.24
Rp 1/4" Pipe Coupling 230 Vac (+10%/-15%), 50/60 Hz 5 VA, IP 54 FORMERLY: 218-971		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 0.80 0.36	
LGV 507/5	**156630**			792.71
Rp 3/4" Normally OPEN Vent Valve 110 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 REPLACEMENT COIL MAG TYPE 100: 223156 CSA Approved FORMERLY: 156-630		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 5.90 2.68	
LGV 507/5	**119271**			792.71
Rp 3/4" Normally OPEN Vent Valve 230 Vac (+10%/-15%), 50/60 Hz 15 VA, IP 54 CSA Approved FORMERLY: 119-271		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 5.90 2.68	
LGV 507/5	**208382**			792.71
Rp 3/4" Normally OPEN Vent Valve 24 Vdc (+10%/-15%) 15 VA, IP 65 CSA Approved FORMERLY: 208-382		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 11 5.90 2.68	

DUNGS®
Combustion Controls



Description
The DUNGS SV and the SV-DLE are electrically operated, normally closed, automatic shutoff valves for gas burning equipment. The SV & SV-DLE /614 Incorporate overtravel and a proof of closure switch.

Application
The SV and SV-DLE are recommended for industrial and commercial heating applications that require one or two automatic shutoff valves in series with proof of closure. The SV and SV-DLE safety shutoff valves are suitable for natural gas, propane, butane, air and other inert gases.

C SP US ◄FM►

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Pipe thread (NPT)	1/2" 3/4" 1" 1 1/4" 1 1/2" 2"
Max. operating pressure	10 PSI (700 mbar)
Max. close off pressure	15 PSI (1000 mbar)
Electrical ratings (+10% / -15%)	120 Vac 50 - 60 Hz
Enclosure rating	NEMA Type 4 - Mounted upright only. Indoor NEMA 12, Outdoor
Electrical connection	DIN-connector with 1/2” NPT conduit adapter
Operating time	100 % duty cycle
Ambient temperature rating	- 40 °F to +140 °F (-40 °C to +60 °C)

Aluminum body; NPT threaded inlet, NPT flanged outlet (supplied with valve); Multiple test ports, G 1/8 ISO 228 test ports available on the SV and SV-DLE. See sales brochure for details. Inlet gas strainer installed in the housing upstream valve (23 mesh screen); SV fast opening & closing (<1 s), SV-DLE - slow opening 20s MAX @ 70F & fast closing (<1 s), and manually adjustable flow rate (0-100%); 100% duty cycle; Refer to flow curves for body selection. **Factory mounted and calibrated proof of closure switch:** SPDT 10 A resistive, 8 FLA, 48 LRA @ 120 Vac; NEMA type 4; - 40 °F to +150 °F (-40 °C to +65 °C); Switch incorporates visual indication of valve (opened & closed).
Conduit Adapter (240671) and DIN connector (210319) must be ordered and priced separately.

Model / Tech. Data	*Order No.*		List Price
SV-D 1005/614	**277110**		751.86
1/2“ NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA 4-indoor, NEMA 12-outdoor. Small Body FORMERLY: 244-070P		**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	
SV-D 1007/614	**277111**		789.44
3/4“ NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA 4-indoor, NEMA 12-outdoor. Small Body FORMERLY: 244-055P		**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	
SV 1010/614	**267074**		845.79
1“ NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA 4-indoor, NEMA 12-outdoor. Medium Body FORMERLY: 244-058P		**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	

11 Single Automatic Shut-off Valves NEMA Type 4 with Proof of Closure - SV-(DLE)

Model / Tech. Data	*Order No.*	List Price
SV 1012/614	**267078**	883.36
1 1/4“ NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA 4-indoor, NEMA 12-outdoor. Medium Body FORMERLY: 244-078P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	
SV 1015/614	**267071**	920.96
1 1/2“ NPT 120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA 4-indoor, NEMA 12-outdoor. Large Body FORMERLY: 244-011P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	
SV 1020/614	**267080**	1,014.91
2“ NPT 120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA 4-indoor, NEMA 12-outdoor. Large Body FORMERLY: 244-081P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	
SV-DLE 1005/614	**267077**	883.36
1/2“ NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA 4-indoor, NEMA 12-outdoor. Small Body Replacement Hydraulic Brake: 240458 FORMERLY: 244-072P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 3.50 **Weight** (Kg.) 1.59	
SV-DLE 1007/614	**267072**	920.96
3/4“ NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA 4-indoor, NEMA 12-outdoor. Small Body Replacement Hydraulic Brake: 240458 FORMERLY: 244-054P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 3.50 **Weight** (Kg.) 1.59	
SV-DLE 1010/614	**267075**	977.32
1“ NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA 4-indoor, NEMA 12-outdoor. Medium Body Replacement Hydraulic Brake: 240458 FORMERLY: 244-059P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	
SV-DLE 1012 / 614	**267079**	1,014.91
1 1/4“ NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA 4-indoor, NEMA 12-outdoor. Medium Body Replacement Hydraulic Brake: 240458 FORMERLY: 244-080P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	
SV-DLE 1015/614	**267070**	1,052.49
1 1/2“ NPT 120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA 4-indoor, NEMA 12-outdoor. Large Body Replacement Hydraulic Brake: 240458 FORMERLY: 244-010P	**Delivery Info** A **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	

11 Single Automatic Shut-off Valves NEMA Type 4 with Proof of Closure - SV-(DLE)

Model / Tech. Data	*Order No.*	List Price
SV-DLE 1020/614	**267081**	1,127.63

2" NPT

120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA 4-indoor, NEMA 12-outdoor. Large Body
Replacement Hydraulic Brake: 240458

FORMERLY: 244-083P

Delivery Info	A
Product Group	11
Weight (lbs.)	16.10
Weight (Kg.)	7.31

DUNGS®
Combustion Controls



Description
The DUNGS SV and the SV-DLE are electrically operated, normally closed, automatic shutoff valves for gas burning equipment.

Application
The SV and SV-DLE are recommended for industrial and commercial heating applications that require one or two automatic shutoff valves in series with proof of closure. The SV and SV-DLE safety shutoff valves are suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84814090

Specifications

Pipe thread (NPT)	1/2" 3/4" 1" 1 1/4" 1 1/2" 2"
Max. operating pressure	10 PSI (700 mbar)
Max. close off pressure	15 PSI (1000 mbar)
Electrical ratings (+10% / -15%)	120 Vac 50 - 60 Hz
Enclosure rating	NEMA Type 4 - Mounted upright only. Indoor NEMA 12, Outdoor
Electrical connection	DIN-connector with 1/2” NPT conduit adapter
Operating time	100 % duty cycle
Ambient temperature rating	- 40 °F to +140 °F (-40 °C to +60 °C)

Aluminum body; NPT threaded inlet, NPT flanged outlet (supplied with valve); Multiple test ports, G 1/8 ISO 228 test ports available on the SV and SV-DLE. See sales brochure for details. Inlet gas strainer installed in the housing upstream valve (23 mesh screen); SV fast opening & closing (<1 s), SV-DLE - slow opening 20s MAX @ 70F & fast closing (<1 s), and manually adjustable flow rate (0-100%); 100% duty cycle; Refer to flow curves for body selection.
Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator, (VI) 266949 or one CPI 400 (CPI) 266968, meet this requirement. These must be ordered separately.
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.

Model / Tech. Data	*Order No.*			List Price
SV-D 1005/604	**288491**			623.62
1/2” NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Small body FORMERLY: 246-700NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 11 3.30 1.50	
SV-D 1007/604	**288492**			661.21
3/4” NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Small body FORMERLY: 246-701NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 11 3.30 1.50	
SV 1010/604	**267103**			717.59
1” NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Medium body FORMERLY: 246-702NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 11 9.30 4.22	

Model / Tech. Data	Order No.		List Price
SV 1012/604	**267104**		755.16
1 1/4" NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Medium body FORMERLY: 246-703NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	
SV 1015/604	**267105**		792.73
1 1/2" NPT 120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Large body FORMERLY: 246-704NP		**Delivery Info** B **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	
SV 1020/604	**267106**		886.69
2" NPT 120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Large body FORMERLY: 246-705NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	
SV-DLE 1005/604	**267107**		770.10
1/2" NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Small body Replacement Hydraulic Brake: 240458 FORMERLY: 246-706NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 3.50 **Weight** (Kg.) 1.59	
SV-DLE 1007/604	**267108**		808.42
3/4" NPT 120 Vac (+10%/-15%), 50/60 Hz 20 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Small body Replacement Hydraulic Brake: 240458 FORMERLY: 246-707NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 3.50 **Weight** (Kg.) 1.59	
SV-DLE 1010/604	**267109**		849.12
1" NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Medium body Replacement Hydraulic Brake: 240458 FORMERLY: 246-708NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	
SV-DLE 1012/604	**267110**		886.69
1 1/4" NPT 120 Vac (+10%/-15%), 50/60 Hz 25 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Medium body Replacement Hydraulic Brake: 240458 FORMERLY: 246-709NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	
SV-DLE 1015/604	**267111**		924.26
1 1/2" NPT 120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Large body Replacement Hydraulic Brake: 240458 FORMERLY: 246-710NP		**Delivery Info** C **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	

11 Single Automatic Shut-off Valves NEMA Type 4 - SV-(DLE)

Model / Tech. Data	*Order No.*	List Price
SV-DLE 1020/604	**267112**	999.43

2" NPT

120 Vac (+10%/-15%), 50/60 Hz 45 VA, NEMA Type 4-indoor, NEMA 12-outdoor. Large body
Replacement Hydraulic Brake: 240458

FORMERLY: 246-711NP

Delivery Info	C
Product Group	11
Weight (lbs.)	16.10
Weight (Kg.)	7.31

DUNGS®
Combustion Controls



Description
The DUNGS SV and the SV-DLE are electrically operated, normally closed, automatic shutoff valves for gas burning equipment.

Application
The SV and SV-DLE are recommended for industrial and commercial heating applications that require one or two automatic shutoff valves in series. The SV and SV-DLE safety shutoff valves are suitable for natural gas, propane, butane, air and other inert gases.

CE

Harmonized Code: 84814090

Specifications

Pipe thread (Rp)	1/2" 3/4" 1" 1 1/4" 1 1/2" 2"
Max. operating pressure	10 PSI (700 mbar)
Max. close off pressure	15 PSI (1000 mbar)
Electrical ratings (+10% / -15%)	110 & 220 Vac 50 - 60 Hz, 24 Vdc
Enclosure rating	IP 65 - Mounted upright only
Electrical connection	DIN-connector with 1/2” NPT conduit adapter
Operating time	100 % duty cycle
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Aluminum body; Rp threaded inlet, Rp flanged outlet (supplied with valve); Multiple test ports, G 1/8 ISO 228 test ports available on the SV and SV-DLE. See sales brochure for details. Inlet gas strainer installed in the housing upstream valve (23 mesh screen); SV fast opening & closing (<1 s), SV-DLE - slow opening 20s MAX @ 70F & fast closing (<1 s), and manually adjustable flow rate (0-100%); 100% duty cycle; Refer to flow curves for body selection.
European code requirements for position indication vary. The DUNGS K01 (266893) switch meets EN1531 and EN 161 code requirements for closed position signal contact. (Variant 7 only)
Conduit Adapter (240671), DIN connector (210319), and flanges must be ordered and priced separately.

Model / Tech. Data	*Order No.*			List Price
SV-D 505	**240321**			
Variant 6 220 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body FORMERLY: 240-321NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 11 3.30 1.50	**PRICE ON REQUEST**
SV-D 507	**240324**			
Variant 6 220 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body FORMERLY: 240-324NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 11 3.30 1.50	**PRICE ON REQUEST**
SV-D 510	**240326**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body FORMERLY: 240-326NP		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 11 9.30 4.22	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*			List Price
SV-D 512	**240-328NP**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	9.30	
		Weight (Kg.)	4.22	
SV-D 515	**243820**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 50VA, IP 65 Large body FORMERLY: 243-820NP		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	16.10	
		Weight (Kg.)	7.31	
SV-D 520	**240332**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body FORMERLY: 240-332NP		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	16.10	
		Weight (Kg.)	7.31	
SV-DLE 505	**240334**			
Variant 6 220 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body Replacement Hydraulic Brake: 240458 FORMERLY: 240-334NP		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	3.50	
		Weight (Kg.)	1.59	
SV-DLE 507	**240337**			
Variant 6 220 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body Replacement Hydraulic Brake: 240458 FORMERLY: 240-337NP		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	3.50	
		Weight (Kg.)	1.59	
SV-DLE 510	**240-339NP**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body Replacement Hydraulic Brake: 240458		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	9.30	
		Weight (Kg.)	4.22	
SV-DLE 512	**240341**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body Replacement Hydraulic Brake: 240458 FORMERLY: 240-341NP		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	9.30	
		Weight (Kg.)	4.22	
SV-DLE 515	**240-821NP**			
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body Replacement Hydraulic Brake: 240458		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	11	
		Weight (lbs.)	16.10	
		Weight (Kg.)	7.31	

Model / Tech. Data	Order No.		List Price
SV-DLE 520	**240-345NP**		
Variant 7 220 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-D 505	**243-477NP**		
Variant 6 110 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	**PRICE ON REQUEST**
SV-D 507	**243-462NP**		
Variant 6 110 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	**PRICE ON REQUEST**
SV-D 510	**243-483NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	**PRICE ON REQUEST**
SV-D 512	**243-846NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	**PRICE ON REQUEST**
SV-D 515	**243840**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body FORMERLY: 243-840NP		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-D 520	**243-492NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-DLE 505	**243-478NP**		
Variant 6 110 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.50 **Weight** (Kg.) 1.59	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*		List Price
SV-DLE 507	**243-481NP**		
Variant 6 110 Vac (+10%/-15%), 50/60 Hz 20 VA, IP 65 Small body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.50 **Weight** (Kg.) 1.59	**PRICE ON REQUEST**
SV-DLE 510	**243-484NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	**PRICE ON REQUEST**
SV-DLE 512	**243-487NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 25 VA, IP 65 Medium body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	**PRICE ON REQUEST**
SV-DLE 515	**243-841NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-DLE 520	**243-493NP**		
Variant 7 110 Vac (+10%/-15%), 50/60 Hz 50 VA, IP 65 Large body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-D 505	**243066**		
Variant 6 24Vdc (+10%/-15%) 20 VA, IP 65 Small body FORMERLY: 243-066NP		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	**PRICE ON REQUEST**
SV-D 507	**243051**		
Variant 1 24Vdc (+10%/-15%) 20 VA, IP 65 Small body FORMERLY: 243-051NP		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	**PRICE ON REQUEST**
SV-D 510	**243072**		
Variant 7 24Vdc (+10%/-15%) 25 VA, IP 65 Medium body FORMERLY: 243-072NP		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*		List Price
SV-D 515	**243834**		
Variant 7 24Vdc (+10%/-15%) 50 VA, IP 65 Large body FORMERLY: 243-834NP		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-D 520	**243-081NP**		
Variant 7 24Vdc (+10%/-15%) 50 VA, IP 65 Large body		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-DLE 505	**243067**		
Variant 6 24Vdc (+10%/-15%) 20 VA, IP 65 Small body Replacement Hydraulic Brake: 240458 FORMERLY: 243-067NP		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	**PRICE ON REQUEST**
SV-DLE 507	**243-052NP**		
Variant 1 24Vdc (+10%/-15%) 20 VA, IP 65 Small body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 3.30 **Weight** (Kg.) 1.50	**PRICE ON REQUEST**
SV-DLE 510	**TBD**		
Variant 7 24Vdc (+10%/-15%) 25 VA, IP 65 Medium body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 9.30 **Weight** (Kg.) 4.22	**PRICE ON REQUEST**
SV-DLE 515	**243-835NP**		
Variant 7 24Vdc (+10%/-15%) 50 VA, IP 65 Large body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**
SV-DLE 520	**243-082NP**		
Variant 7 24Vdc (+10%/-15%) 50 VA, IP 65 Large body Replacement Hydraulic Brake: 240458		**Delivery Info** O **Product Group** 11 **Weight** (lbs.) 16.10 **Weight** (Kg.) 7.31	**PRICE ON REQUEST**



Description
The HPSV high pressure safety shutoff valve is a single-stage automatic shut-off valve for gas engines or other high pressure applications using 24 VDC. It is a double-seated valve with max operating pressure of up to 100 PSI (7 bar). With a fast-open/fast-close valve, the HPSV is recommended for industrial and commercial applications using spark ignited gas engines for standby and prime power generation.
The HPSV is suitable for dry natural gas, propane, butane, air and inert gases for pressures up to 100 PSI. Suitable for up to 0.1% by volume, dry H2S. There are four 1/4" NPT pressure ports.

Application
The HPSV can be directly engine mounted. It has been tested and designed for installation with high levels of vibration.

Link to the Datasheet

Harmonized Code: 8481.80.901

Specifications

Voltage:	24VDC
Temperature Rating:	-20°F TO 140°F (-29°C TO 60°C)
Max Operating Pressure:	100 PSI (7 bar) acc. CGA 3.9 and CSA 6.5 C/I Nema 4 (45W)-Outdoor installation

Housing: Aluminum, Steel; free of non-ferrous metals. Sealings on valve seats: NBR-based rubber.
Gas strainer standard installed in the housing upstream 1 mm stainless steel mesh. 4 x 1/4" NPT taps available.

Connector (271568) is required.
Seal (268153) is recommended.

Model / Tech. Data	*Order No.*			List Price
HPSV 10020/604 VIP 24 VDC	**270890**			2,498.73
2" ANSI Flanged Hazardous Location (Class I, Div. 2)		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 12 14.00 6.36	
HPSV 10020/614 HL 24 VDC	**295848**			3,662.37
Hazardous Location (Class I, Div. 2) Proof of Closure		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 12	
HPSV 10020/614 PI 24VDC W/POC	**295852**			3,662.37
Proof of Closure with Visual Indication (VI)		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 12	

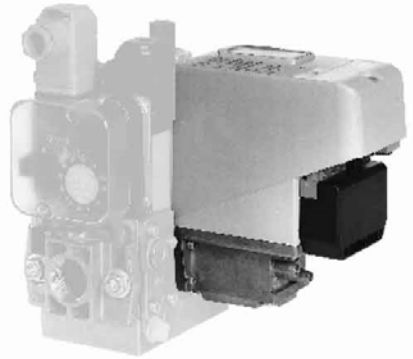
Model / Tech. Data	Order No.		List Price
HPSV REPLACEMENT VIP COIL	**270888**		1,333.29
24VDC coil Replacement coil for 270890		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) 4.60 **Weight** (Kg.) 2.09	
CONNECTOR	**271568**		154.65
CONNECTOR- 2 POLES FOR VALVE COIL-ALL MODELS) ROHS CONNECTOR FOR HPSV VALVES FOR WIRE SOLDERING 5/8-24		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
SEAL FOR HPSV	**268153**		59.04
		Delivery Info C **Product Group** 19 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	

DUNGS®
Combustion Controls



Valve Proving Systems

Product	Model	Page
Valve Proving Systems, Modular Mount - VPS	US	40.1
Valve Proving Systems, Modular Mount - VPS	EU	41.1
Valve Proving Systems, Pipe Mount - VDK	US	42.1
Valve Proving Systems, Pipe Mount - VDK	EU	43.1
Valve Proving Systems, Modular Mount - VPM	US/EU	44.1



Description
The DUNGS VPS 504 S06 is a valve proving system for DMV series safety valves. It checks that both safety shutoff valves in a DMV series gas train are fully closed before either a system startup and/or after system shutdown when wired and interlocked to a suitable flame safeguard control. The VPS 504 S06 will halt the startup sequence to a piece of gas burning equipment if it detects an open safety shutoff valve, thus preventing ignition under undesirable conditions.

Application
The VPS 504 S06 is recommended for industrial and commercial heating applications. Some authorities having jurisdiction accept the VPS 504 S06 in lieu of “proof of closure” when integrated with the pre-ignition system and/or in lieu of a vent valve when it checks the valves at start up and shut down. The VPS 504 S06 is suitable for natural gas, propane, air and other inert gases. Not suitable for butane gas.

Link to the Datasheet and User Manual

Harmonized Code: 90248010

Specifications

Max. operating pressure	7 PSI (500 mbar)
Electrical ratings (+10% / -15%)	120 Vac 60 Hz
Contact rating	Run T5: 4 A res, 2 FLA @ 120 Vac/60 Hz Alarm T3: 1 A res, 0.5 FLA @ 120 Vac/60 Hz
Enclosure rating	NEMA Type 12
Electrical connection	Screw terminals with 1/2" NPT conduit connection
Operating time	100% duty cycle, max. 20 test cycles/hr
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Aluminum body; test cycle approximately 10 to 26s; light indication for permissive or alarm conditions; screw terminals for electrical connection with 1/2" conduit adapter; customer must provide 10 amp quick fuse or a 6.3 amp slow blow fuse.
Code requirements vary. Accepted by XL Gap Services (formerly IRI) in lieu of a vent line when used to check valves on start up and shut down. Accepted by XL Gap Services (formerly IRI) and FM for "proof-of-closure"; Max switching-on duration not exceed 20 cycles/hr; Not for use with Butane Gas.

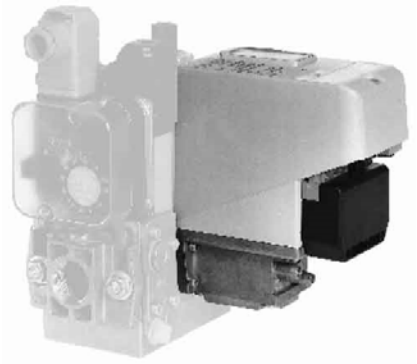
Model / Tech. Data	*Order No.*	List Price
VPS 504 S06	**221073**	721.10

max. Vol. 0,14 cu ft (4 liters)

120 Vac (+10%/-15%), 60 Hz, SPDT Sw 4A @ 120 Vac, NEMA 12

FORMERLY: 221-073

Delivery Info	A
Product Group	20
Weight (lbs.)	2.30
Weight (Kg.)	1.04



Description
The DUNGS VPS 504 S04 is a valve proving system for DMV series safety valves. It checks that both safety shutoff valves in a DMV series gas train are fully closed before either a system startup and/or after system shutdown when wired and interlocked to a suitable flame safeguard control. The VPS will halt the startup sequence to a piece of gas burning equipment if it detects an open safety shutoff valve, thus preventing ignition under dangerous conditions.

Application
The VPS 504 S04 is recommended for industrial and commercial heating applications. where CE approval is required. The VPS is the means for proof of closure and normally open vent line alternative. The VPS is required for CE compliance on system with capacities of 4.1 Mbtu and up. The VPS is suitable for natural gas, propane, air and other inert gases. Not suitable for butane gas.

Link to the Datasheet and User Manual

Harmonized Code: 90248010

Specifications

Max. operating pressure	7 PSI (500 mbar)
Electrical ratings (+10% / -15%)	110 - Vac/50 or 60 Hz 230 - Vac/50 or 60 Hz
Contact rating	Run: 4 A @ 110 / 230 Vac/50 Hz Alarm: 1 A @ 110 / 230 Vac/50 Hz
Enclosure rating	IP 54
Electrical connection	Screw terminals with SO cord connection
Operating time	100% duty cycle, max. 20 test cycles/hr
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Aluminum body; test cycle approximately 10 to 26s; light indication for permissive or alarm conditions; Screw terminals with SO cord connection. European code requirements may vary. The DUNGS VPS meets EN 746-2 code requirements for a leak tightness device as required for applications with capacities greater than 4,100,000 Btu. (1200 kW).

Model / Tech. Data	*Order No.*			List Price
VPS 504 S04	**221327**			793.19
max. Vol. 0,14 cu ft (4 liters) 110 Vac (+10%/-15%), 50 Hz, SPDT Sw 4A @ 120 Vac, IP 54 FORMERLY: 221-327		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 20 2.30 1.04	
VPS 504 S04	**219881**			793.19
max. Vol. 0,14 cu ft (4 liters) 230 Vac (+10%/-15%), 50 Hz, SPDT Sw 4A @ 250 Vac, IP 54 FORMERLY: 219-881		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 20 2.30 1.04	
VPS 504 S02	**219877**			793.19
max. Vol. 0,14 cu ft (4 liters) 230 Vac (+10%/-15%), 50 Hz, SPDT Sw 4A @ 250 Vac, IP 40 FORMERLY: 219-877		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 20 2.30 1.04	

Model / Tech. Data	Order No.	List Price
VPS 504 S04	**222388**	793.19
max. Vol. 0,14 cu ft (4 liters) 220 Vac (+10%/-15%), 60 Hz, SPDT Sw 4A @ 250 Vac, IP 54 FORMERLY: 222-388	**Delivery Info** C **Product Group** 20 **Weight** (lbs.) 2.30 **Weight** (Kg.) 1.04	
VPS 504 S04	**223426**	793.19
max. Vol. 0,14 cu ft (4 liters) 110 Vac (+10%/-15%), 60 Hz, SPDT Sw 4A @ 120 Vac, IP 54 FORMERLY: 223-426	**Delivery Info** C **Product Group** 20 **Weight** (lbs.) 2.30 **Weight** (Kg.) 1.04	
VPS 504 S05	**224983**	793.19
max. Vol. 0,14 cu ft (4 liters) 24 Vdc, SPDT Sw 4A @ 24 Vdc, IP 54 CSA APPROVED FORMERLY: 224-983	**Delivery Info** C **Product Group** 20 **Weight** (lbs.) 2.30 **Weight** (Kg.) 1.04	



Description
The DUNGS VDK 200A is a valve proving system for safety shutoff valves. It checks that both safety shutoff valves in a gas train are fully closed before a system startup or after system shutdown when wired and interlocked to a suitable flame safeguard control. The VDK 200 will halt the startup sequence to a piece of gas burning equipment if it detects an open safety shutoff valve, thus preventing ignition under undesirable conditions.

Application
The DUNGS VDK 200A is recommended for industrial and commercial heating applications. Some authorities having jurisdiction accept the VDK 200 in lieu of “proof of closure” when integrated with the pre-ignition system. It can also be used in lieu of a vent valve when it checks the valves at start up and shut down. The VDK 200 is suitable for natural gas, propane, butane, air and other inert gases. Not for Hydrogen.

Link to the Datasheet and User Manual

Harmonized Code:

Specifications

Max. operating pressure	5 PSI (360 mbar)
Electrical ratings (+10% / -15%)	120 Vac 60 Hz
Enclosure rating	NEMA Type 1
Electrical connection	Screw terminals with 1/2" NPT conduit connection
Operating time	100% duty cycle, max. 20 test cycles/hr
Ambient temperature rating	+14 °F to +140 °F (-10 °C to +60 °C)

Aluminum body; test cycle approximately 26s maximum; light indication for permissive or alarm conditions; screw terminals for electrical connection with 1/2" conduit adapter.
Code requirements vary. Accepted by XL Gap Services (formerly IRI) in lieu of a vent line when used to check valves on start up and shut down. Accepted by XL Gap Services (formerly IRI) and FM for "proof-of-closure"; Max switching-on duration not exceed 20 cycles/hr; Not for use with Butane Gas.

Model / Tech. Data	*Order No.*		List Price
VDK 200A S06	**253734**		1,038.91
1/4” NPT connection; max. Vol. 0,7 cu ft (20 liters) 120 Vac (+10%/-15%), 60 Hz, SPDT Sw 4A @ 120 Vac, NEMA 12 Replaces VDK 200A S02 (216352) FORMERLY: 253-734	**Delivery Info** A **Product Group** 20 **Weight** (lbs.) 5.40 **Weight** (Kg.) 2.45		
VDK 200A S06 w/Brad Harrison	**267131**		**PRICE ON REQUEST**
1/4” NPT connection; max. Vol. 0,7 cu ft (20 liters) 120 Vac (+10%/-15%), 60 Hz, SPDT Sw 4A @ 120 Vac, NEMA 12 FORMERLY: 253-734BH	**Delivery Info** B **Product Group** 20 **Weight** (lbs.) 5.40 **Weight** (Kg.) 2.45		



Description
The DUNGS VDK 200 is a valve proving system for safety shutoff valves. It checks that both safety shutoff valves in a gas train are fully closed before a system startup or after system shutdown when wired and interlocked to a suitable flame safeguard control. The VDK 200 will halt the startup sequence to a piece of gas burning equipment if it detects an open safety shutoff valve, thus preventing ignition under undesirable conditions.

Application
The DUNGS VDK 200 is recommended for industrial and commercial heating applications. where CE approval is required. The VDK 200 is the means for proof of closure and normally open vent line alternative. The VDK 200 is required for CE compliance on system with capacities of 4.1 Mbtu and up. The VDK 200 is suitable for natural gas, propane, air and other inert gases. Not suitable for butane gas.

Link to the Datasheet and User Manual

Harmonized Code: 90248010

Specifications

Max. operating pressure	5 PSI (360 mbar)
Electrical ratings (+10% / -15%)	110 - Vac/50 or 60 Hz 230 - Vac/50 or 60 Hz
Contact rating	Run: 4 A @ 110 / 230 Vac/50 Hz Alarm: 1 A @ 110 / 230 Vac/50 Hz
Enclosure rating	IP 40
Electrical connection	Screw terminals with SO cord connection
Operating time	100% duty cycle, max. 20 test cycles/hr
Ambient temperature rating	+14 °F to +140 °F (-10 °C to +60 °C)

Aluminum body; test cycle approximately 26s; light indication for permissive or alarm conditions; Screw terminals with SO cord connection. European code requirements may vary. The DUNGS VDK meets EN 746-2 code requirements for a leak tightness device as required for applications with capacities greater than 4,100,000 Btu. (1200 kW).

Model / Tech. Data	*Order No.*			List Price
VDK 200A S02	**211224**			1,142.82
12 mm Rp connections; max. Vol. 0,7 cu ft (20 liters) 110 Vac (+10%/-15%), 50 Hz, Run Contact 4A @ 110 Vac /50 Hz; alarm Contact 1A @ 110 Vac 50 Hz. IP 40 FORMERLY: 211-224		**Delivery Info**	A	
		Product Group	20	
		Weight (lbs.)	5.40	
		Weight (Kg.)	2.45	
VDK 200A S02	**211222**			1,142.82
12 mm Rp connections; max. Vol. 0,7 cu ft (20 liters) 230 Vac (+10%/-15%), 50 Hz, Run Contact 4A @ 200 Vac /50 Hz; alarm Contact 1A @ 200 Vac 50 Hz. IP 40 FORMERLY: 211-222		**Delivery Info**	A	
		Product Group	20	
		Weight (lbs.)	5.40	
		Weight (Kg.)	2.45	
VDK 200A S02	**211225**			**PRICE ON REQUEST**
12 mm Rp connections; max. Vol. 0,7 cu ft (20 liters) 230 Vac (+10%/-15%), Run Contact 4A @ 200 Vac /60 Hz; alarm Contact 1A @ 200 Vac 60 Hz. IP 40 FORMERLY: 211-225		**Delivery Info**	O	
		Product Group	20	
		Weight (lbs.)	5.40	
		Weight (Kg.)	2.45	



Description
The DUNGS VPM-VC is a valve module which can be used with any valve. It checks that both safety shutoff valves in a gas train are fully closed and tight before either a system startup and/or after system shutdown when wired and interlocked to a suitable flame safeguard control. The VPM—VC will halt the startup sequence for a gas burning equipment if it detects an open/untight safety shutoff valve, thus preventing ignition under undesirable conditions.

Application
The VPM-VC is recommended for industrial and commercial heating applications. Some authorities having jurisdiction accept the VPM-VC in lieu of “proof of closure” when integrated with the pre-ignition system and/or in lieu of a vent valve when it checks the valves at start up and shut down. The VPM-VC is suitable for any type of gas and pressure as it is not in contact with the gas. It can be set by jumper for most standard values and can be programmed through a service box and software for other valves. It allows to comply with EN746-2 requirement of tightness testing up to the burner and allows counting the cycling of the valves as requested by NFPA 86. Requires the use of at least one pressure switch in between the safety valves and can be used with or without auxiliary valves depending on the application. SIL 2 Approved. VPM-VC allows testing at start-up, shutdown or one valve per cycle.

Link to the Datasheet

Harmonized Code:

Specifications

Max. operating pressure	Not Applicable
Electrical ratings (+10% / -15%)	120/230 Vac 50/60 Hz
Contact rating	Valves output: 2A per valve Alarm: 1 A
Enclosure rating	IP 42
Electrical connection	Punch M16 connections
Ambient temperature rating	-5 °F to +140 °F (-20 °C to +60 °C)

CSA Pending, FM Pending, CE (EN1643) Approved, SIL 2 Approved

Model / Tech. Data	*Order No.*		List Price
VPM-VC (Including Base)	**259697**		911.29
120 Vac (+10%/-15%), 50/60 Hz. @ 120 Vac. NEMA 12 FORMERLY: 259-697		**Delivery Info** C **Product Group** 20 **Weight** (lbs.) 2.30 **Weight** (Kg.) 1.04	
VPM-VC (Including Base)	**259696**		911.29
230 Vac FORMERLY: 259-696		**Delivery Info** C **Product Group** 20 **Weight** (lbs.) 2.30 **Weight** (Kg.) 1.04	

DUNGS®
Combustion Controls



Gas & Air Pressure Switches

Gas Pressure Switches

Product	Model	Page
Gas Pressure Switches, Modular Mount - A2	US	50.1
Gas Pressure Switches, Pipe Mount - A4	US	51.1
Gas Pressure Switches, Modular Mount - A2	EU	52.1
Gas Pressure Switches, Pipe Mount - A4	EU	53.1
Gas Pressure Switches, Modular Mount - A5	EU	54.1
Gas Pressure Switches, Pipe Mount - A6	EU	55.1
Gas Pressure Switches, GGAO A4	US	56.1
Gas Pressure Switches, High Pressure - GW A4/2	US	57.1

Air Pressure Switches

Product	Model	Page
Air Pressure Switches - AA-A1	US	60.1
Air Pressure Switches - AA-A2	US	61.1
Air Pressure Switches - AA-C2/A2-7	US	62.1
Air Pressure Switches - LGW-A2	EU	63.1
Air Pressure Switches - LGW-A4	EU	64.1
Air Pressure Switches - AA-A4	US	65.1



Description

The DUNGS GAO (Automatic Reset), GMH (High Manual Reset), and GML (Low Manual Reset) A2 pressure switches are compact pressure switches for DUNGS modular valve train components. A2 pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale.

Application

The DUNGS GAO, GMH, and GML A2 pressure switches are recommended for industrial and commercial heating applications with DUNGS DMV dual modular valves and DUNGS FRI modular pressure regulators. The GAO, GMH, and GML A2 pressure switches are suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 8536.50.905

Specifications

Max. operating pressure	GAO; GMH; and GML A2-4-2,3,4,5,6	7 PSI (500 mbar)
	GAO, GMH and GML A2-4-8	14 PSI (1000 mbar)
Electrical ratings	Silver (Ag) contact ratings	
	AC 10A resistive @ 120 Vac	
	AC 8A inductive @ 120 Vac	
	DC min. 20 mA @ 24 Vdc	
	DC max. 1 A @ 48 Vdc	
Enclosure rating	NEMA Type 4	
Ambient temperature rating	-40 °F to +140 °F (-40 °C to +60 °C) Series ending in -2,-3,-5 and -6	
	-22 °F to +140 °F (-30 °C to +60 °C) Series ending in -8	

Mounts directly to DMV, FRI and Flanges; use adapter (273777) for DMV downstream [Port 3] Calibrated for vertical mounting, set point may change by 0.2" W.C. when mounted otherwise; Screw terminals with 1/2 NPT Conduit connection; Neon light included. Mounting kit (2 screws and O-ring included)

Model / Tech. Data	Order No.	Unit List	Reseller
GAO-A2-4-2	**266914**	131.54	105.24
0.16" to 1.2" W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-085A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GAO-A2-4-2 W/24V LIGHT	**273352**	149.54	123.24
0.16" TO 1.2" W.C.; High or Low; Automatic reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed	**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GAO-A2-4-3	**266915**	131.54	105.24
0.4" to 4.0" W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-086A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		

Model / Tech. Data	Order No.		Unit List		Reseller
GAO-A2-4-3 W/24V LIGHT	**273353**		149.54		123.24
0.4" TO 4.0" W.C.; High or Low; Automatic reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GAO-A2-4-5	**266916**		131.54		105.24
2“ to 20“ W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-087A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GAO-A2-4-5 W/24V LIGHT	**273355**		149.54		123.24
2" TO 20" W.C. ;High or Low; Automatic reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GAO-A2-4-6	**266917**		131.54		105.24
12“ to 60“ W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-088A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GAO-A2-4-6 W/24V LIGHT	**273356**		149.54		123.24
12" TO 60" W.C.; High or Low; Automatic reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GAO-A2-4-8	**266918**		145.79		116.65
40“ to 200“ W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-089A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GAO-A2-4-8 W/24V LIGHT	**273357**		163.79		134.65
40" TO 200" W.C.; High or Low; Automatic reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GMH-A2-4-4	**266924**		141.29		113.03
1“ to 20“ W.C; High; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-323A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			

Model / Tech. Data	Order No.		Unit List		Reseller
GMH-A2-4-4 W/24V LIGHT	**275244**		159.29		131.03
1" to 20" W.C., High, Manual reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GMH-A2-4-6	**266925**		141.29		113.03
12“ to 60“ W.C; High; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-324A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GMH-A2-4-6 W/24V LIGHT	**275242**		159.29		131.03
12" to 60" W.C., High, Manual reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GMH-A2-4-8	**266926**		149.56		119.65
40“ to 200“ W.C; High; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-325A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GMH-A2-4-8 W/24V LIGHT	**275243**		167.56		137.65
40" to 200" W.C., High, Manual reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GML-A2-4-4	**266942**		141.29		113.03
1“ to 20“ W.C; Low; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-337A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GML-A2-4-4 W/24V LIGHT	**276641**		159.29		131.03
1“ to 20“ W.C; Low; Manual reset WITH 24V LIGHT INSTALLED		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GML-A2-4-6	**266943**		141.29		113.03
12“ to 60“ W.C; Low; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-338A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			

Model / Tech. Data	Order No.		Unit List		Reseller
GML-A2-4-6 W/24V LIGHT	**275693**		159.29		131.03
12“ to 60“ W.C; Low; Manual reset WITH 24V LIGHT INSTALLED		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GML-A2-4-8	**266944**		149.56		119.65
40“ to 200“ W.C; Low; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-339A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			
GML-A2-4-8 W/24V LIGHT	**276642**		167.56		137.65
40“ to 200“ W.C; Low; Manual reset WITH 24V LIGHT INSTALLED		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27			



Description
The DUNGS GAO (Automatic Reset), GMH (High Manual Reset), and GML (Low Manual Reset) A4 pressure switches are adjustable pressure switches for automatic gas burning equipment controls. A4 pressure switches are suitable for making and/or breaking a circuit relative to changes in medium pressure relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale. Test nipple integrated in metal housing to verify setpoint.

Application
The DUNGS GAO, GMH, and GML A4 pressure switches are recommended for industrial and commercial heating applications with 1/4" NPT pipe connections. The GAO, GMH, and GML A4 pressure switch is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 8536.50.905

Specifications

Max. operating pressure	GAO; GMH; and GML A4-4-2,3,4,5,6	7 PSI (500 mbar)
	GAO, GMH and GML A4-4-8	14 PSI (1000 mbar)
Electrical ratings	Silver (Ag) contact ratings	Gold (Au) contact ratings
	AC 10A resistive @ 120 Vac	DC min. 5 mA @ 5 Vdc
	AC 8A inductive @ 120 Vac	DC max. 10m A @ 24 Vdc
	DC min. 20 mA @ 24 Vdc	
	DC max. 1 A @ 48 Vdc	
Enclosure rating	NEMA Type 4	
Ambient temperature rating	-40 °F to +140 °F (-40 °C to +60 °C) Series ending in -2,-3,-5 and -6	
	-22 °F to +140 °F (-30 °C to +60 °C) Series ending in -8	

Pipe mount; Calibrated for vertical mounting, set point may change by 0.2" W.C. when mounted otherwise; Screw terminals with 1/2 NPT Conduit connection; Neon light included.

Model / Tech. Data	Order No.			List Price
GAO-A4-4-2	**266919**			131.54
0.16" to 1.2" W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-090A		**Delivery Info**	A	
		Product Group	21	
		Weight (lbs.)	0.60	
		Weight (Kg.)	0.27	
GAO-A4-4-2 w/24 VDC Lights	**274451**			149.54
0.16" to 1.2" W.C; High or Low; Automatic reset SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info**	B	
		Product Group	21	
		Weight (lbs.)	0.60	
		Weight (Kg.)	0.27	
GAO-A4-4-3	**266920**			131.54
0.4" to 4" W.C; High or Low; Automatic reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-091A		**Delivery Info**	A	
		Product Group	21	
		Weight (lbs.)	0.60	
		Weight (Kg.)	0.27	

Model / Tech. Data	Order No.	List Price

GAO-A4-4-3 w/24 VDC Lights **274448** 149.54

0.4“ to 4“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-5 **266921** 131.54

2“ to 20“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4

FORMERLY: 217-092A

Delivery Info	A
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-5 w/24 VDC Lights **274449** 149.54

2“ to 20“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-6 **266922** 131.54

12“ to 60“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4

FORMERLY: 217-093A

Delivery Info	A
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-6 w/24 VDC Lights **274447** 149.54

12“ to 60“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-8 **266923** 145.79

40“ to 200“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4

FORMERLY: 217-094A

Delivery Info	A
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-8 w/24 VDC Lights **274450** 163.79

40“ to 200“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-2GOLD **266965**

0.16“ to 1.2“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, NEMA Type 4

FORMERLY: 223-525A

Delivery Info	O
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

PRICE ON REQUEST

Model / Tech. Data	Order No.	List Price

GAO-A4-4-3GOLD **266958** 232.88

0.4“ to 4“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, NEMA Type 4

FORMERLY: 222-267A

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-5GOLD **266959** 232.88

2“ to 20“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, 24v lights installed; NEMA Type 4

FORMERLY: 222-268A

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-6GOLD **266960** 232.88

12“ to 60“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, 24v lights installed; NEMA Type 4

FORMERLY: 222-269A

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GAO-A4-4-8GOLD **266966** 239.77

40“ to 200“ W.C; High or Low; Automatic reset

SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, NEMA Type 4

FORMERLY: 223-526A

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GMH-A4-4-4 **266927** 141.29

1“ to 20“ W.C; High; Manual reset

SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4

FORMERLY: 217-326A

Delivery Info	A
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GMH-A4-4-4 W/24V LIGHT **275248** 159.29

1" TO 20" W.C.; HIGH; MANUAL RESET

SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GMH-A4-4-6 **266928** 141.29

12“ to 60“ W.C; High; Manual reset

SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4

FORMERLY: 217-327A

Delivery Info	A
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

GMH-A4-4-6 W/24V LIGHT **275249** 159.29

12" TO 60" W.C.; HIGH; MANUAL RESET

SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed

Delivery Info	B
Product Group	21
Weight (lbs.)	0.60
Weight (Kg.)	0.27

Model / Tech. Data	Order No.			List Price
GMH-A4-4-8	**266930**			149.56
40“ to 200“ W.C; High; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-328A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GMH-A4-4-8 W/24V LIGHT	**275250**			167.56
40" TO 200" W.C.; HIGH; MANUAL RESET SPDT Sw 10A @ 24VAC Res; 1A max @ 24VDC. NEMA Type 4 with 24 VDC/VAC light installed		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GMH-A4-4-4GOLD	**266961**			
1“ to 20“ W.C; High; Manual reset SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, NEMA Type 4 FORMERLY: 222-270A		**Delivery Info** O **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		**PRICE ON REQUEST**
GMH-A4-4-6GOLD	**266962**			
12“ to 60“ W.C; High; Manual reset SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, NEMA Type 4 FORMERLY: 222-271A		**Delivery Info** O **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		**PRICE ON REQUEST**
GML-A4-4-4	**266945**			141.29
1“ to 20“ W.C; Low; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-340A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GML-A4-4-4 W/24V LIGHT	**276643**			159.29
1“ to 20“ W.C; Low; Manual reset WITH 24V LIGHT INSTALLED		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GML-A4-4-6	**266947**			141.29
12“ to 60“ W.C; Low; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-341A		**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		
GML-A4-4-6 W/24V LIGHT	**276645**			159.29
12“ to 60“ W.C; Low; Manual reset WITH 24V LIGHT INSTALLED		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27		

Model / Tech. Data	Order No.			List Price
GML-A4-4-8	**266948**			149.56
40“ to 200“ W.C; Low; Manual reset SPDT Sw 10A @ 120 Vac 8A FLA, NEMA Type 4 FORMERLY: 217-342A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 21 0.60 0.27	
GML-A4-4-8 W/24V LIGHT	**276646**			167.56
40“ to 200“ W.C; Low; Manual reset WITH 24V LIGHT INSTALLED		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
GML-A4-4-4GOLD	**266963**			
1“ to 20“ W.C; Low; Manual reset SPDT Sw 10A @ 24 Vdc, Gold Plated Contacts, NEMA Type 4 FORMERLY: 222-272A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 21 0.60 0.27	**PRICE ON REQUEST**



Description
The DUNGS UB (High Manual Reset), and NB (Low Manual Reset) A2 pressure switches are compact pressure switches for DUNGS modular valve train components. A2 pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale.

Application
The DUNGS UB, and NB A2 pressure switches are recommended for industrial and commercial heating applications with DUNGS DMV dual modular valves and DUNGS FRI modular pressure regulators. Various mounting options allow direct mounting on the housing. The UB, and NB A2 pressure switches are suitable for natural gas, propane, butane, air and other inert gases.

CE

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

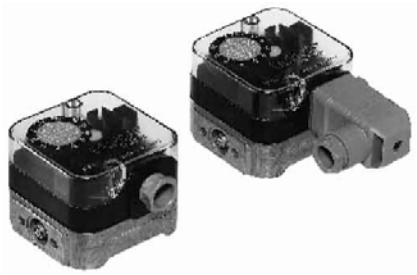
Max. operating pressure	UB, NB A2 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 6A resistive @ 230 Vac AC 3A inductive @ 230 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Enclosure rating	IP 54
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Mounts directly to DMV, FRI and Flanges; use adapter (273777) for DMV downstream [Port 3] Calibrated for vertical mounting, set point may change by 0.8 mbar. when mounted otherwise; Screw terminals with SO cord connection.

Model / Tech. Data	*Order No.*			List Price
UB 50 A2	**266900**			161.59
2.5 to 50 mbar; High; Manual reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 215-242A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
UB 150 A2	**266901**			161.59
30 to 150 mbar; High; Manual reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 215-245A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
UB 500 A2	**266902**			171.02
100 to 500 mbar; High; Manual reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 215-246A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	

21 Gas Pressure Switches, Modular Mount - A2

Model / Tech. Data	Order No.			List Price
NB 50 A2	**266897**			161.59
2.5 to 50 mbar; Low; Manual reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 215-237A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
NB 150 A2	**266898**			161.59
30 to 150 mbar; Low; Manual reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 215-240A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
NB 500 A2	**266899**			171.02
100 to 500 mbar; Low; Manual reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 215-241A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	



Description

The DUNGS UB (High Manual Reset), and NB (Low Manual Reset) A4 pressure switches are adjustable pressure switches for automatic gas burning equipment controls. A4 pressure switches are suitable for making and/or breaking a circuit relative to changes in medium pressure relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale. Test nipple integrated in metal housing to verify setpoint.

Application

The UB, and NB A4 pressure switch is recommended for industrial and commercial heating, ventilation, and air-conditioning systems with G 1/4 female pipe connections. The UB, and NB A4 pressure switch is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	UB, NB A4 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 6A resistive @ 230 Vac AC 3A inductive @ 230 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Enclosure rating	IP 54
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Pipe mount; Calibrated for vertical mounting, set point may change by 0.8 mbar when mounted otherwise; Screw terminals with SO cord connection.

Model / Tech. Data	*Order No.*		List Price
UB 50 A4	**266889**		161.59
2.5 to 50 mbar; High; Manual reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 210-537A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
UB 150 A4	**266856**		161.59
30 to 150 mbar; High; Manual reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 138-630A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
UB 500 A4	**266891**		171.02
100 to 500 mbar; High; Manual reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 210-970A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	

21 Gas Pressure Switches, Pipe Mount - A4

Model / Tech. Data	*Order No.*			List Price
NB 50 A4	**266888**			161.59
2.5 to 50 mbar; Low; Manual reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 210-534A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
NB 150 A4	**266890**			161.59
30 to 150 mbar; Low; Manual reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 210-931A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
NB 500 A4	**266892**			171.02
100 to 500 mbar; Low; Manual reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 210-971A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	



Description
The DUNGS GW (Automatic Reset) A5 pressure switches are compact pressure switches for DUNGS modular valve train components. A5 pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale.

Application
The DUNGS GW A5 pressure switches are recommended for industrial and commercial heating applications with DUNGS DMV dual modular valves and DUNGS FRI modular pressure regulators. Various mounting options allow direct mounting on the housing. The GW A5 pressure switches are suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	GW A5 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 6A resistive @ 230 Vac AC 3A inductive @ 230 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Enclosure rating	IP 54
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)

Mounts directly to DMV, FRI and Flanges; use adapter (273777) for DMV downstream [Port 3] Calibrated for vertical mounting, set point may change by 0.8 mbar. when mounted otherwise; DIN connector with screw terminals with SO cord connection.

Model / Tech. Data	*Order No.*			List Price
GW 3 A5	**266996**			131.65
0.7 to 3 mbar; High or Low; Automatic reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 229-250A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
GW 10 A5	**266980**			131.65
2 to 10 mbar; High or Low; Automatic reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 225-938A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
GW 50 A5	**266981**			131.65
5 to 50 mbar; High or Low; Automatic reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 225-939A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	

21 Gas Pressure Switches, Modular Mount - A5

Model / Tech. Data	*Order No.*			List Price
GW 150 A5	**266982**			131.65
5 to 150 mbar; High or Low; Automatic reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 225-940A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
GW 500 A5	**266989**			147.38
100 to 500 mbar; High or Low; Automatic reset SPDT Sw 6A @ 250 Vac 3A FLA,IP 54 FORMERLY: 227-639A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	

DUNGS®
Combustion Controls



Description
The DUNGS GW (Automatic Reset) A6 pressure switches are adjustable pressure switches for automatic burner controls. A6 pressure switches are suitable for making and/or breaking a circuit relative to changes in medium pressure relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale. Test nipple integrated in metal housing to verify setpoint.

Application
The GW A6 pressure switch is recommended for industrial and commercial heating, ventilation, and air-conditioning systems with G 1/4 female pipe connections. The GW A6 pressure switch is suitable for natural gas, propane, butane, air and other inert gases.

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Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	GW A6 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 6A resistive @ 230 Vac AC 3A inductive @ 230 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Enclosure rating	IP 54
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)

Pipe mount; Calibrated for vertical mounting, set point may change by 0.8 mbar when mounted otherwise; DIN connector with screw terminals with SO cord connection.

Model / Tech. Data	*Order No.*		List Price
GW 3 A6	**266991**		131.65
0.7 to 3 mbar; High or Low; Automatic reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 228-723A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
GW 10 A6	**266992**		131.65
2 to 10 mbar; High or Low; Automatic reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 228-724A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
GW 50 A6	**266993**		131.65
5 to 50 mbar; High or Low; Automatic reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 228-725A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	

Model / Tech. Data	Order No.			List Price
GW 150 A6	**266994**			131.65
5 to 150 mbar; High or Low; Automatic reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 228-726A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	
GW 500 A6	**266995**			147.38
100 to 500 mbar; High or Low; Automatic reset SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 FORMERLY: 228-727A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.60 0.27	



Description
The DUNGS GGAO A4 pressure switches are adjustable differential pressure switches for automatic gas burning equipment controls. GGAO pressure switches are suitable for making and/or breaking a circuit relative to changes in the difference of pressure between two medium (Air/Gas / Gas/Gas) relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale. Test nipple integrated in metal housing to verify setpoint.

Application
The DUNGS GGAO A4 differential pressure switches are recommended for industrial and commercial heating applications with 1/4” NPT pipe connections on one side and 1/8" NPT on the other connection. Those switches can be used for monitoring the air/gas differential pressure in premix systems or the pressure drops in gas filters. The GGAO pressure switch is suitable for natural gas, propane, butane, air and other inert gases. They all come with gold contacts for use in low or high voltage systems.

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Link to Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	GGAO A4-4-2,3,4,5,6 7 PSI (500 mbar)
Electrical ratings	Gold (Au) contact ratings AC xA resistive @ 120 Vac DC min. x mA @ 5 Vdc DC min. xmA @ 24 Vdc DC max. x A @ 48 Vdc
Enclosure rating	NEMA Type 4
Ambient temperature rating	-40 °F to +140 °F (-40 °C to +60 °C) Series ending in -2,-3,-5 and -6

Pipe mount; Calibrated for vertical mounting, set point may change by 0.2” W.C. when mounted otherwise; Screw terminals with 1/2 NPT Conduit connection; Neon light optional

Model / Tech. Data	*Order No.*		List Price
GGAO-A4-4-2	**271329**		222.14
0.16-1.2 WC – Automatic Reset Differential Switches 1/4” NPT / 1/8” NPT		**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
GGAO-A4-4-2 w/24v light	**289202**		240.14
0.16-1.2 WC 24 V light installed - Automatic Reset Pipe Mount Nema 4		**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
GGAO-A4-4-3	**271330**		222.14
0.4-4 WC Automatic Reset Differential Switches 1/4” NPT / 1/8” NPT		**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	

Model / Tech. Data	Order No.	List Price
GGAO-A4-4-3 w/24V light	**289203**	240.14
0.4-4 WC 24V light installed - Automatic Reset Pipe Mount Nema 4	**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
GGAO-A4-4-5	**271331**	222.14
2-20 WC Automatic Reset Differential Switches 1/4" NPT / 1/8" NPT	**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
GGAO-A4-4-5 w/24V light	**289210**	240.14
2-20 WC 24V light installed - Automatic Reset Pipe Mount Nema 4	**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
GGAO-A4-4-6	**271332**	249.95
12-60 WC Automatic Reset Differential Switches 1/4" NPT / 1/8" NPT	**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
GGAO-A4-4-6 w/24V light	**289211**	267.95
12-60 WC 24V light installed - Automatic Reset Pipe Mount Nema 4	**Delivery Info** NP **Product Group** 21 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	



Description
The GW...A4/2 HP pressure switch is an adjustable pressure switch for automatic gas burning equipment controls. It is suitable for closing, opening or switching over a current circuit when the actual pressure value deviates from the specified pressure setpoint. The specified pressure setpoint (operating point) is set at a setting wheel using a scale.

Application
Pressure monitoring in control systems suitable for gaseous fuels and other neutral gaseous media as well as air, flue gases and products of combustion. Contacts are Silver, gold-plated (Au).
This switch has Stainless Steel membrane and viton seals for compatibility for gases up to 1% H2S (Digester / Landfill)

Link to Manual

Harmonized Code: 8536.50.905

Specifications

Max. operating pressure	2-8 barg (gas)(30-115 Psig). Setpoint range 0.1 to 6 barg (40-2400"wc).
Enclosure Rating	IP65 (NEMA 4)
Ambient Temperature Rating	15°C to +70°C (5°F to 158°F)
Contacts Ratings	24-250VAC 20mA - 3Amps 5-48VDC 5mA-1amp Note: After use with more than 24VDC/20mA, rating becomes 24VDC/20mA

Die cast zinc, powder coated 1/4" NPT pipe mount, screw terminals with M20x1.5 cable gland. Special gas rated up to 1.0% by volume H_2S wet

Model / Tech. Data	*Order No.*		List Price
GW 500 A4/2 HP	**273274**		571.51
0.1 - 0.5 barg set point (1.5-2.0 PSI) Max line Pressure: 2 barg (30 PSI) at set point 0.1-0.15 barg (1.5-2.0 PSI), 5 barg (75 PSI) at set point 0.15-0.5 barg (2.0-7.0 PSI) Pressure Switch IP 65 - NEMA 4	**Delivery Info**	NP	
	Product Group	22	
	Weight (lbs.)	1.85	
	Weight (Kg.)	0.84	
GW 2000 A4/2 HP	**273275**		571.51
0.4 - 2.0 barg set point (6-30 PSI) Max line Pressure: 5 barg (75 PSI) Pressure Switch IP 65 - NEMA 4	**Delivery Info**	NP	
	Product Group	22	
	Weight (lbs.)	1.85	
	Weight (Kg.)	0.84	
GW 6000 A4/2 HP	**273276**		571.51
1.0 - 6.0 barg set point (15-85 PSI) Max line Pressure: 8 barg (120 PSI) Pressure Switch IP 65 - NEMA 4	**Delivery Info**	NP	
	Product Group	22	
	Weight (lbs.)	1.85	
	Weight (Kg.)	0.84	



Description
the DUNGS AA...A1 differential pressure switches are factory adjustable (within listed pressure range), compact pressure switches for automatic gas burning equipment controls. Available with hose connections.
AA...A1 differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point.

Application
Differential pressure monitoring in firing, ventilation and air-conditioning systems. The AA...A1 can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane, and other combustible gases.

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	AA...A1 1.5 PSI (103 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 5A resistive @ 120 Vac AC 3A inductive @ 120 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Ambient temperature rating	-40 °F to +140 °F (-40 °C to +60 °C)

Air pressure switch for differential, vacuum or positive pressure; with automatic reset; 0.16“ (4 mm) diameter hose connections; screw adjustable setpoint; 1/4" x 1/32" (6.3 x 0.8 mm) flat male terminals.

Model / Tech. Data	*Order No.*		List Price
AA-A1-0-2	**277329**		60.16
0.16“ to 1.2“ W.C SPDT Sw 5A @ 120 Vac 3A FLA Hose Barb Connection FORMERLY: 216-788A/266906		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
AA-A1-0-3	**277328**		60.16
0.4“ to 4“ W.C SPDT Sw 5A @ 120 Vac 3A FLA Hose Barb Connection FORMERLY: 216-752A/266904		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
AA-A1-0-4	**266908**		
1“ to 20“ W.C OBSOLETE SPDT Sw 5A @ 120 Vac 3A FLA Hose Barb Connection FORMERLY: 216-867A		**Delivery Info** O **Product Group** 21 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*		List Price
AA-A1-0-6	**216-864A**		
12“ to 60“ W.C SPDT Sw 5A @ 120 Vac 3A FLA Hose Barb Connection		**Delivery Info** C **Product Group** 21 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	**PRICE ON REQUEST**
AA-A1-3-2	**266907**		
0.16“ to 1.2“ W.C OBSOLETE SPDT Sw 5A @ 120 Vac 3A FLA Includes contact cover Hose Barb Connection FORMERLY: 216-788CA		**Delivery Info** O **Product Group** 21 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	**PRICE ON REQUEST**
AA-A1-3-3	**266905**		
0.4“ to 4“ W.C OBSOLETE SPDT Sw 5A @ 120 Vac 3A FLA Includes contact cover Hose Barb Connection FORMERLY: 216-752CA		**Delivery Info** O **Product Group** 21 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	**PRICE ON REQUEST**
AA-A1-3-4	**266909**		
1“ to 20“ W.C OBSOLETE SPDT Sw 5A @ 120 Vac 3A FLA Includes contact cover Hose Barb Connection FORMERLY: 216-867CA		**Delivery Info** O **Product Group** 21 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	**PRICE ON REQUEST**
AA-A1-4-6	**216-864CA**		
12“ to 60“ W.C SPDT Sw 5A @ 120 Vac 3A FLA Includes contact cover Hose Barb Connection		**Delivery Info** C **Product Group** 21 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	**PRICE ON REQUEST**



Description

the DUNGS AA...A2 differential pressure switches are field adjustable, compact pressure switches for automatic gas burning equipment controls. Available with hose or NPT threaded connections.

AA...A2 differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point.

Application

Differential pressure monitoring in firing, ventilation and air-conditioning systems. The AA...A2 can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

Link to Datasheet and User Manual A2

Harmonized Code: 90262090

Specifications

Max. operating pressure	AA...A2 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 5A resistive @ 120 Vac AC 3A inductive @ 120 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Enclosure rating	NEMA Type 4
Ambient temperature rating	-40 °F to +140 °F (-40 °C to +60 °C)

Air pressure switch for differential, vacuum or positive pressure; with automatic reset; AA-A2-4 features 0.16“ (4 mm) diameter hose connections; AA-A2-6 features 1/4” NPT positive connection and 1/8” NPT negative connection and includes a test button in the lower housing; both models feature field adjustable setpoint.

Model / Tech. Data	Order No.			List Price
AA-A2-4-2	**266910**			100.72
0.16“ to 1.2“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Barb Connection FORMERLY: 217-060A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 21 0.40 0.18	
AA-A2-4-3	**266911**			100.72
0.4“ to 4“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Barb Connection FORMERLY: 217-061A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 21 0.40 0.18	
AA-A2-4-5	**266912**			100.72
2“ to 20“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Barb Connection FORMERLY: 217-062A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 21 0.40 0.18	

Model / Tech. Data	Order No.	List Price
AA-A2-4-6	**266913**	100.72
12“ to 60“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Barb Connection FORMERLY: 217-063A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
AA-A2-6-2	**266932**	114.24
0.16“ to 1.2“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 217-329A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
AA-A2-6-3	**266934**	114.24
0.4“ to 4“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 217-330A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
AA-A2-6-5	**266936**	114.24
2“ to 20“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 217-331A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
AA-A2-6-6	**266938**	114.24
12“ to 60“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 217-332A	**Delivery Info** A **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	



Description
The DUNGS AA...C2/A2-7 differential pressure switches are field adjustable, compact pressure switches for automatic gas burning equipment controls. AA...C2/A2-7 differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by the adjustable dial and an integrated scale.

Application
Differential pressure monitoring in firing, ventilation and air-conditioning systems. The AA... C2/A2-7 can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	AA...C2 1 PSI (50 mbar)
	AA-7 1.5 PSI (103 mbar)
Electrical ratings	Silver (Ag) contact ratings
	AA-C2 AC 5A resistive @ 120 Vac / AA-7 4A resistive @ 120 Vac
	AA-C2 AC 3A inductive @ 120 Vac / AA-7 2A inductive @ 120 Vac
	DC min. 20 mA
Enclosure rating	DC max. 1 A
Ambient temperature rating	NEMA Type 4
	-40 °F to +140 °F (-40 °C to +60 °C)

Hose mount; air pressure switch for differential, vacuum or positive pressure; field adjustable setpoint; Screw terminals with 1/2 NPT Conduit connection.

Model / Tech. Data	Order No.	List Price
AA-C2-4-1	**266939**	129.28
0.08“ to 0.6“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Connection FORMERLY: 217-333A	**Delivery Info** C **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
AA-C2-4-2	**266940**	129.28
0.16“ to 1.2“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Connection FORMERLY: 217-334A	**Delivery Info** C **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
AA-C2-4-3	**266941**	129.28
0.4“ to 4“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Hose Connection FORMERLY: 217-336A	**Delivery Info** C **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	



Description

The DUNGS LGW...A2 differential pressure switches are field adjustable, compact pressure switches for automatic gas burning equipment controls. Available with hose or G threaded connections. LGW...A2 differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. LGW...A2 versions feature hose connections. LGW...A2P versions feature G threaded connections and a test button in the lower housing.

Application

Differential pressure monitoring in firing, ventilation and air-conditioning systems. The LGW... A2 can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

CE

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	LGW...A2 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 6A resistive @ 230 Vac AC 3A inductive @ 230 Vac DC min. 20 mA DC max. 1 A
Enclosure rating	IP 54
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Air pressure switch for differential, vacuum or positive pressure; with automatic reset; LGW-A2 features 4 mm (0.16“) diameter hose connections; LGW-A2P features G1/4” positive connection and G1/8” negative connection; screw adjustable setpoint; Screw terminals with SO cord connection.

Model / Tech. Data	*Order No.*			List Price
LGW 3 A2	**266847**			110.81
0.4 to 3 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Hose Connection FORMERLY: 107-409A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.40 0.18	
LGW 10 A2	**266848**			110.81
1 to 10 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Hose Connection FORMERLY: 107-417A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.40 0.18	
LGW 50 A2	**266849**			110.81
2.5 to 50 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Hose Connection FORMERLY: 107-425A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.40 0.18	

Model / Tech. Data	Order No.		List Price
LGW 150 A2	**266850**		110.81
30 to 150 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Hose Connection FORMERLY: 107-433A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
LGW 3 A2P	**266853**		125.63
0.4 to 3 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Threaded Connection FORMERLY: 120-204A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
LGW 10 A2P	**266854**		125.63
1 to 10 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Threaded Connection FORMERLY: 120-212A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
LGW 50 A2P	**266953**		125.63
2.5 to 50 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Threaded Connection FORMERLY: 221-207A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
LGW 150 A2P	**266855**		125.63
30 to 150 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Threaded Connection FORMERLY: 120-238A		**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	



Description
The DUNGS LGW...A4 differential pressure switches are field adjustable, compact pressure switches for automatic gas burning equipment controls. Available with RP threaded connections. LGW...A4 differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point.

Application
Differential pressure monitoring in firing, ventilation and air-conditioning systems. The LGW... A4 can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

CE

Link to the Datasheet and User Manual

Harmonized Code: 90262090

Specifications

Max. operating pressure	LGW...A4 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 6A resistive @ 230 Vac AC 3A inductive @ 230 Vac DC min. 20 mA DC max. 1 A
Enclosure rating	IP 54
Ambient temperature rating	+5 °F to +140 °F (-15 °C to +60 °C)

Thread Connection; Air pressure switch for differential, vacuum or positive pressure; with automatic reset; Screw terminals with SO cord connection.

Model / Tech. Data	*Order No.*	List Price
LGW 3 A4	**266954**	144.68
0.4 to 3 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Literature Listing: 272338 or 221590 Threaded Connection FORMERLY: 221-590A	**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
LGW 10 A4	**266955**	144.68
1 to 10 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Literature Listing: 272344 or 221591 Threaded Connection FORMERLY: 221-591A	**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
LGW 50 A4	**266956**	144.68
2.5 to 50 mbar SPDT Sw 6A @ 230 Vac 3A FLA,IP 54 Literature Listing: 272342 or 221592 Threaded Connection FORMERLY: 221-592A	**Delivery Info** B **Product Group** 21 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	

Model / Tech. Data	*Order No.*	List Price
LGW 150 A4	**266957**	144.68

30 to 150 mbar

SPDT Sw 6A @ 230 Vac 3A FLA,IP 54
Literature Listing: 272353 or 221593
Threaded Connection

FORMERLY: 221-593A

Delivery Info	B
Product Group	21
Weight (lbs.)	0.40
Weight (Kg.)	0.18



Description

the DUNGS AA...A4 differential pressure switches are field adjustable, compact pressure switches for automatic gas burning equipment controls. Available with NPT threaded connections.

AA...A4 differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point.

Application

Differential pressure monitoring in firing, ventilation and air-conditioning systems. The AA...A4 can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

◄FM►

Link to Datasheet and User Manual A4

Harmonized Code:

Specifications

Max. operating pressure	AA...A4 7 PSI (500 mbar)
Electrical ratings	Silver (Ag) contact ratings AC 5A resistive @ 120 Vac AC 3A inductive @ 120 Vac DC min. 20 mA @ 24 Vdc DC max. 1 A @ 48 Vdc
Enclosure rating	NEMA Type 4
Ambient temperature rating	-40 °F to +140 °F (-40 °C to +60 °C)

AA-A4-4 models feature 1/4” NPT positive connection and 1/8” NPT negative connection with Die Cast Aluminum Base; 1/4" x 1/32" (6.3 x 0.8 mm) flat male terminals.

Model / Tech. Data	Order No.			List Price
AA-A4-4-2	**267142**			127.95
0.16“ to 1.2“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 254-392A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.40 0.18	
AA-A4-4-3	**267143**			127.95
0.4“ to 4“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 254-393A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 21 0.40 0.18	
AA-A4-4-4	**267144**			127.95
2“ to 20“ W.C SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4 Threaded Connection FORMERLY: 254-394A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 21 0.40 0.18	

Model / Tech. Data	*Order No.*	List Price
AA-A4-4-6	**267145**	127.95

12“ to 60“ W.C

SPDT Sw 5A @ 120 Vac 3A FLA, NEMA Type 4
Threaded Connection

FORMERLY: 254-395A

Delivery Info	B
Product Group	21
Weight (lbs.)	0.40
Weight (Kg.)	0.18

DUNGS®
Combustion Controls



Gas Pressure Regulators

Product	Model	Page
Modular Pressure Regulators- FRI	US/EU	70.1
Stand Alone Pressure Regulators - 7 PSI - FRS	US	71.1
Stand Alone Pressure Regulators - 10 PSI - FRS	US	72.1
Line Pressure Regulators - 10 PSI - FRS	US	73.1
Stand Alone Pressure Regulators - Flanged - FRS	US/EU	74.1
Stand Alone Pressure Regulators - 500mbar - FRS	EU	75.1
FRM 1000xx & 2500xx ∗**New Product**∗	US	76.1
SAV Safety Shut Off Valve ∗**New Product**∗	US	77.1
Proportionators / Zero Governor - FRG	US/EU	78.1
Proportionators / Zero Governor - FRNG	EU	79.1
Proportionators / Zero Governor - Flanged - FRNG	US/EU	80.1
Safety Pressure Relief - FRSBV	US/EU	81.1
Medium Pressure Regulator FRM-NOC ∗**New Product**∗	US	82.1
FRM-NOC/SAV ∗**New Product**∗		83.1



Description

The DUNGS FRI/6 pressure regulator is a spring-loaded pressure regulator with adjustable setpoint spring. Internal sensor for regulating output pressure and a 50 micron gas filter installed upstream all in one housing.

- With mounting kit, FRI/6 pressure regulator with gas filter directly mounts upstream or downstream of the DMV (Dual Modular Valve).
- Lock-up Type Regulator
- Vent limiter; approved as a vent-less regulator by some authorities having jurisdiction. (Review applicable codes for vent line requirements)

Application

The DUNGS FRI/6 is recommended for industrial and commercial heating applications and is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications

Max. operating pressure	7 PSI (500 mbar) CE; 5 PSI (360 mbar) CSA
Input pressure range	2 to 200 in. W.C. (5 mbar to 500 mbar)
Output pressure range	1 to 80 in. W.C. (2.5 mbar to 200 mbar); adjustable with different springs
Gas filter (standard)	50 micron; replaceable
Ambient temperature rating	+5°F to +150 °F for up to 7 PSI for regulating behavior (+/- 10% of setpoint). -40°F to +150 °F: Diaphragms are suitable for the low temperature, but there may be out of range regulating behavior. CSA Certified for -40 °F to +150 °F for up to 5 PSI.

Aluminum body; Two G 1/8“ downstream taps; one G 1/8“ tap on top; mounts directly to DMV or stand alone with flanges. DMV Mounting kit and stand alone mounting kits included; Stand alone: flanges sold separately (same as used with DMV); Refer to selection guide for technical specifics, flow and pressure drop. Refer to spring guide for correct output pressure.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	*Order No.*			List Price
FRI 705/6	**230472**			407.36
1/2",3/4", 1" NPT or Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) FORMERLY: 230-472		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 40 1.50 0.68	
FRI 707/6	**230473**			422.11
1/2",3/4", 1" NPT or Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) FORMERLY: 230-473		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 40 2.00 0.91	
FRI 710/6	**230474**			437.51
1", 1 1/4", 1 1/2", 2" NPT or Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) FORMERLY: 230-474		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 40 4.10 1.86	

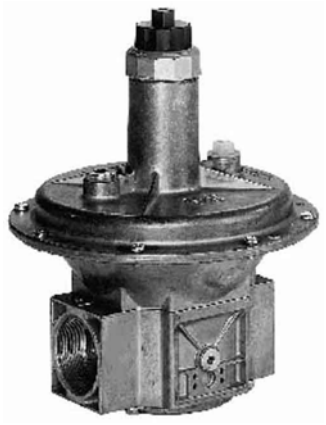
Model / Tech. Data	*Order No.*	List Price
FRI 712/6	**230475**	454.48

1", 1 1/4", 1 1/2", 2" NPT or Rp

Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE)

FORMERLY: 230-475

Delivery Info	A
Product Group	40
Weight (lbs.)	4.10
Weight (Kg.)	1.86



Description
The DUNGS FRS 7../6 pressure regulator is a spring-loaded pressure regulator with adjustable setpoint spring. Internal sensor for regulating output pressure.
- Input pressures up to 7 PSI (CSA to 5 PSI)
- High flow rate
- Sturdy, precise and sensitive regulation of regulator output pressure
- Lock-up Type Regulator
- Vent limiter; approved as a vent-less regulator by some authorities having jurisdiction. (Review applicable codes for vent line requirements)

Application
The DUNGS FRS 7../6 pressure regulator is recommended for industrial and commercial heating applications and is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications

Max. operating pressure	7 PSI (500 mbar) / CSA 5 PSIG
Input pressure range	2 to 200 in. W.C. (5 mbar to 500 mbar)
Output pressure range	1 to 80 in. W.C. (2.5 mbar to 200 mbar); adjustable with different springs
Ambient temperature rating	+5 °F to +160 °F for up to 10 PSI for regulating behavior (+/- 10% of setpoint) -40 °F to +160 °F for up to 5 PSI: Diaphragms are suitable for the low temperature, but there may be out of range regulating behavior. CSA Certified for -40 °F to +160 for up to 5 PSI.

Aluminum body; Two upstream and downstream taps; one tap on top; optional external feedback connection; Refer to selection guide for technical specifics, flow and pressure drop. Refer to spring guide for correct output pressure.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	Order No.			List Price
FRS 705/6	**229595**			376.55
1/2" NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 229-595		**Delivery Info**	A	
		Product Group	41	
		Weight (lbs.)	1.30	
		Weight (Kg.)	0.59	
FRS 707/6	**229608**			415.59
3/4" NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 229-608		**Delivery Info**	B	
		Product Group	41	
		Weight (lbs.)	2.20	
		Weight (Kg.)	1.00	
FRS 710/6	**229609**			474.18
1" NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 229-609		**Delivery Info**	A	
		Product Group	41	
		Weight (lbs.)	2.70	
		Weight (Kg.)	1.23	

Model / Tech. Data	Order No.	List Price
FRS 712/6	**229610**	587.15
1 1/4” NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 068924 FORMERLY: 229-610	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23	
FRS 715/6	**229611**	679.76
1 1/2” NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 068924 FORMERLY: 229-611	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 5.50 **Weight** (Kg.) 2.50	
FRS 720/6	**229612**	820.41
2” NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 068932 FORMERLY: 229-612	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 7.70 **Weight** (Kg.) 3.50	
FRS 725/6	**229613**	1,533.11
2 1/2” NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 068940 FORMERLY: 229-613	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 16.50 **Weight** (Kg.) 7.49	
FRS 730/6	**229614**	1,748.18
3” NPT Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 091868 FORMERLY: 229-614	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 22.00 **Weight** (Kg.) 9.99	



Description
The DUNGS FRS 7../6 pressure regulator is a spring-loaded pressure regulator with adjustable setpoint spring. Internal sensor for regulating output pressure.
- Input pressures up to 10 PSI (CSA to 5 PSI)
- High flow rate
- Sturdy, precise and sensitive regulation of regulator output pressure
- Lock-up Type Regulator
- Vent limiter; approved as a vent-less regulator by some authorities having jurisdiction. (Review applicable codes for vent line requirements)

Application
The DUNGS FRS 7../6 pressure regulator is recommended for industrial and commercial heating applications and is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code:

Specifications

Max. operating pressure	10 PSI (500 mbar) CSA
Input pressure range	2 to 200 in. W.C. (5 mbar to 500 mbar)
Output pressure range	1 to 80 in. W.C. (2.5 mbar to 200 mbar); adjustable with different springs
Ambient temperature rating	+5 °F to +160 °F for up to 10 PSI for regulating behavior (+/- 10% of setpoint) -40 °F to +160 °F for up to 5 PSI: Diaphragms are suitable for the low temperature, but there may be out of range regulating behavior. CSA Certified for -40 °F to +160 for up to 5 PSI.

Aluminum body; Two upstream and downstream taps; one tap on top; optional external feedback connection; Refer to selection guide for technical specifics, flow and pressure drop. Refer to spring guide for correct output pressure.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	Order No.			List Price
FRS 705/6-10 PSI	**269318**			376.55
1/2" NPT FRS 705/6 1/2 NPT 10PSIG PRESSURE REGULATOR CSA 4-12" WC SPRING 10 PSIG RATING No Repair Kit Available FORMERLY: 229-595-10		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 41 1.30 0.59	
FRS 707/6-10 PSI	**267003**			415.59
3/4" NPT FRS 707/6 3/4 NPT 10 PSIG PRESSURE REGULATOR CSA 4-12" WC SPRING 10 PSIG RATING No Repair Kit Available FORMERLY: 229-608-10		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 41 2.20 1.00	
FRS 710/6-10 PSI	**267005**			474.18
1" NPT FRS 710/6 1 NPT 10PSIG PRESSURE REGULATOR CSA 4-12"WC SPRING 10 PSIG RATING No Repair Kit Available FORMERLY: 229-609-10		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 41 2.70 1.23	

Model / Tech. Data	Order No.	List Price
FRS 712/6-10 PSI	**267007**	587.15
1 1/4" NPT FRS 712/6 1-1/4 NPT 10 PSIG PRESSURE REGULATOR CSA 4-12"WC SPRING 10 PSIG RATING Repair Kit 068924 FORMERLY: 229-610-10	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23	
FRS 715/6-10 PSI	**267009**	679.76
1 1/2" NPT FRS 715/6 1-1/2 NPT 10 PSI PRESSURE REGULATOR CSA 4-12" WC SPRING 10 PSIG RATING Repair Kit 068924 FORMERLY: 229-611-10	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 5.50 **Weight** (Kg.) 2.50	
FRS 720/6-10 PSI	**267011**	820.41
2" NPT FRS 720/6 2 NPT 10 PSIG PRESSURE REGULATOR CSA 4-12" WC SPRING 10PSIG RATING Repair Kit 068932 FORMERLY: 229-612-10	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 7.70 **Weight** (Kg.) 3.50	
FRS 725/6-10 PSI	**269324**	1,533.11
2 1/2" NPT FRS 725/6 2-1/2 NPT 10PSIG PRESSURE REGULATOR CSA 4-12" WC SPRING 10 PSIG RATING Repair Kit 068940 FORMERLY: 229-613-10	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 16.50 **Weight** (Kg.) 7.49	
FRS 730/6-10 PSI	**269327**	1,748.18
3" NPT FRS 730/6 3NPT 10PSIG PRESSURE REGULATOR CSA 4-12" WC SPRING 10 PSIG RATING Repair Kit 091868 FORMERLY: 229-614-10	**Delivery Info** B **Product Group** 41 **Weight** (lbs.) 22.00 **Weight** (Kg.) 9.99	



Description

The DUNGS FRS 7../6 line pressure regulators, are a balancing type, spring-loaded regulator with an adjustable setpoint. They feature an internal sensor for regulating output pressure.
- Input pressures up to 10 PSI (CSA to 5 PSI)
- High flow rate
- Sturdy, precise and sensitive regulation of regulator output pressure
- Lock-up Type Regulator
- Vent limiter; approved as a vent-less regulator by some authorities having jurisdiction. (Review applicable codes for vent line requirements)

Application

The FRS series line pressure regulators are recommended for any application requiring a line regulator to drop inlet pressures to a lower pressure suitable for an appliance or equipment. Suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications

Max. operating pressure	Factory Certified for up to 10 PSI (700mbar) ANSI Z21.80 CSA Certified for up to 5 PSI (350mbar)
Input pressure range	2 to 200” WC (5mbar - 500mbar)
Output pressure range	Class I 4-10” WC. Includes 10 to 22” WC OPD (Over Pressure Protection Device) Class II 24-40”
Ambient temperature rating	+5 °F to +160 °F for up to 5 PSI for regulating behavior (+/- 10% of setpoint). -40 °F to +160 °F for up to 5 PSI: Diaphragms are suitable for the low temperature, but there may be out of range regulating behavior.

Aluminum body; Two upstream and downstream taps; one tap on top; Refer to selection guide for technical specifics, flow and pressure drop.

Model / Tech. Data	Order No.	List Price
LINE REGULATOR 1/2" CL1 OPD	**267002**	938.89
1/2” NPT NPTF 4-10” WC setting 10-22” WC OPD FORMERLY: 229-595LP1	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 1.30 **Weight** (Kg.) 0.59	
LINE REGULATOR 3/4" CL1 OPD	**269320**	1,030.24
3/4” NPT NPTF 4-10” WC setting 10-22” WC OPD FORMERLY: 229-608LP1	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 2.20 **Weight** (Kg.) 1.00	
LINE REGULATOR 1" CL1 OPD	**269321**	1,147.42
1” NPT NPTF 4-10” WC setting 10-22” WC OPD FORMERLY: 229-609LP1	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23	

Model / Tech. Data	Order No.			List Price
LINE REGULATOR 1 1/4" CL1	**269322**			1,385.18
1 1/4" NPT NPTF 4-10" WC setting 10-22" WC OPD FORMERLY: 229-610LP1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 2.70 1.23	
LINE REGULATOR 1 1/2" CL1	**267010**			1,667.70
1 1/2" NPT NPTF 4-10" WC setting 10-22" WC OPD FORMERLY: 229-611LP1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 5.50 2.50	
LINE REGULATOR 2" CL1 OPD	**267012**			2,015.69
2" NPT NPTF 4-10" WC setting 10-22" WC OPD FORMERLY: 229-612LP1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 7.70 3.50	
LINE REGULATOR 2 1/2" CL1	**269325**			3,653.82
2 1/2" NPT NPTF 4-10" WC setting 10-22" WC OPD FORMERLY: 229-613LP1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 16.50 7.49	
LINE REGULATOR 3" CL1 OPD	**269328**			4,111.24
3" NPT NPTF 4-10" WC setting 10-22" WC OPD FORMERLY: 229-614LP1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 22.00 9.99	
LINE REGULATOR 1/2" CL2	**269319**			454.72
1/2" NPT NPTF 28-40" WC setting FORMERLY: 229-595LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 1.30 0.59	
LINE REGULATOR 3/4" CL2	**267004**			493.75
3/4" NPT NPTF 28-40" WC setting FORMERLY: 229-608LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 2.20 1.00	
LINE REGULATOR 1" CL2	**267006**			552.34
1" NPT NPTF 28-40" WC setting FORMERLY: 229-609LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 2.70 1.23	

Model / Tech. Data	Order No.			List Price
LINE REGULATOR 1 1/4" CL2	**267008**			665.28
1 1/4" NPT NPTF 28-40" WC setting FORMERLY: 229-610LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 2.70 1.23	
LINE REGULATOR 1 1/2" CL2	**269323**			757.93
1 1/2" NPT NPTF 28-40" WC setting FORMERLY: 229-611LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 5.50 2.50	
LINE REGULATOR 2" CL2	**267013**			922.16
2" NPT NPTF 28-40" WC setting FORMERLY: 229-612LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 7.70 3.50	
LINE REGULATOR 2 1/2" CL2	**269326**			1,671.69
2 1/2" NPT NPTF 28-40" WC setting FORMERLY: 229-613LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 16.50 7.49	
LINE REGULATOR 3" CL2	**269329**			1,886.78
3" NPT NPTF 28-40" WC setting FORMERLY: 229-614LP2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 41 22.00 9.99	



Description
The DUNGS FRS 5.../10 pressure regulator is a spring-loaded pressure regulator with adjustable setpoint spring. Internal sensor for regulating output pressure.
- Input pressures up to 7 PSI (CSA to 5 PSI)
- High flow rate
- Sturdy, precise and sensitive regulation of regulator output pressure
- Lock-up Type Regulator
- Vent limiter; approved as a vent-less regulator by some authorities having jurisdiction. (Review applicable codes for vent line requirements)
- DIN PN16 Flange connections

Application
The DUNGS FRS 5.../10 pressure regulator is recommended for industrial and commercial heating applications and is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications

Max. operating pressure	7 PSI (500 mbar) CE; 5 PSI (360 mbar) CSA
Input pressure range	2 to 200 in. W.C. (5 mbar to 500 mbar)
Output pressure range	1 to 80 in. W.C. (2.5 mbar to 150 mbar); adjustable with different springs
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)

Aluminum body; Two upstream and downstream taps; one tap on top; Refer to selection guide for technical specifics, flow and pressure drop.
Refer to spring guide for correct output pressure.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	Order No.			List Price
FRS 5040 Internal Sensor	**065144**			553.21
DN. 40 Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 1 1/2" nominal pipe size Repair Kit 068924 FORMERLY: 065-144		**Delivery Info**	B	
		Product Group	41	
		Weight (lbs.)	7.70	
		Weight (Kg.)	3.50	
FRS 5050 Internal Sensor	**065151**			833.11
DN. 50 Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 2" nominal pipe size Repair Kit 068932 FORMERLY: 065-151		**Delivery Info**	B	
		Product Group	41	
		Weight (lbs.)	11.00	
		Weight (Kg.)	4.99	
FRS 5065 Internal Sensor	**058792**			1,545.82
DN. 65 Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 2 1/2" nominal pipe size Repair Kit 068940 FORMERLY: 058-792		**Delivery Info**	B	
		Product Group	41	
		Weight (lbs.)	16.50	
		Weight (Kg.)	7.49	

Model / Tech. Data	*Order No.*	List Price

FRS 5080 Internal Sensor **079681** 1,922.99

DN. 80

Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 3" nominal pipe size
Repair Kit 091868

FORMERLY: 079-681

Delivery Info	B
Product Group	41
Weight (lbs.)	22.00
Weight (Kg.)	9.99

FRS 5100 Internal Sensor **082552** 2,500.00

DN. 100

Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 4" nominal pipe size
Repair Kit 091876

FORMERLY: 082-552

Delivery Info	B
Product Group	41
Weight (lbs.)	35.30
Weight (Kg.)	16.03

FRS 5125 Internal Sensor **013250** 3,609.58

DN. 125

Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 5" nominal pipe size
Repair Kit 069005

FORMERLY: 013-250

Delivery Info	B
Product Group	41
Weight (lbs.)	61.70
Weight (Kg.)	28.01

FRS 5150 Internal Sensor **013268** 5,956.41

DN. 150

Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) 6" nominal pipe size
Repair Kit 069013

FORMERLY: 013-268

Delivery Info	B
Product Group	41
Weight (lbs.)	83.80
Weight (Kg.)	38.05



Description
The DUNGS FRS 5../10 pressure regulator is a spring-loaded pressure regulator with adjustable setpoint spring. Internal sensor for regulating output pressure.
- Input pressures up to 7 PSI (500 mbar)
- High flow rate
- Sturdy, precise and sensitive regulation of regulator output pressure
- Vent limiter; approved as a vent-less regulator by some authorities having jurisdiction. (Review applicable codes for vent line requirements)

Application
The DUNGS FRS 5../10 pressure regulator is recommended for industrial and commercial heating applications and is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications

Max. operating pressure	7 PSI (500 mbar)
Input pressure range	2 to 200 in. W.C. (5 mbar to 500 mbar)
Output pressure range	1 to 80 in. W.C. (2.5 mbar to 200 mbar); adjustable with different springs
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)

Aluminum body; One upstream tap on each side; Refer to selection guide for technical specifics, flow and pressure drop. Refer to spring guide for correct output pressure.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	Order No.	List Price
FRS 503	**086462**	398.58
3/8 Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 086-462	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
FRS 505	**070383**	414.20
1/2 Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 070-383	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 1.30 **Weight** (Kg.) 0.59	
FRS 507	**070391**	457.18
3/4 Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 070-391	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 2.20 **Weight** (Kg.) 1.00	

41 Stand Alone Pressure Regulators 500 mbar - FRS

Model / Tech. Data	*Order No.*	List Price
FRS 510	**070409**	521.63
1 Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) No Repair Kit Available FORMERLY: 070-409	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23	
FRS 515	**058446**	747.74
1 1/2 Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 068924 FORMERLY: 058-446	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23	
FRS 520	**058628**	902.45
2 Rp Outlet pressure ranges 1" to 80" W.C. Standard spring 4" to 12" W.C. (BLUE) Repair Kit 068932 FORMERLY: 058-628	**Delivery Info** C **Product Group** 41 **Weight** (lbs.) 5.50 **Weight** (Kg.) 2.50	



Description
The DUNGS FRM medium pressure regulator is a direct acting pressure regulator with adjustable setpoint springs and modular mounted safety shut-off valve (SAV).
- Input pressures up to 360 Psig (25 barg) depending on versions
- FRM Lock Up – lock up pressure class up to SG10
- External impulse
- Outlet pressure range 0.5 to 22 Psig (30-1500 mbar)
- Minimum differential pressure: ND – 270 mbar, MD – 350 mbar, HD – 500 mbar

All regulators are available with incorporated slam shut valves with overpressure and, when required, under-pressure shut-off.

Application
With input pressures up to 10 bar (150 PSI), and high flow rate, the FRM provides accurate and sensitive regulation of the outlet pressure. The FRM has a flanged connection according to DN 25 - DN 50 or ANSI 150Lbs. Suitable for gas family 1, 2, 3 – natural gas, propane, and other neutral gases.

ANSI versions do not come standard with CE Approvals. CE versions have same cost but will have extended lead times.

Link to the Datasheet

Harmonized Code: 8481.80.901

Specifications

Max. operating pressure:	150 Psig (10barg) or 285 Psig (19.5 barg) or 360 Psig (25 barg) depending on versions
Input pressure range:	150 Psig (10barg) or 285 Psig (19.5 barg) or 360 Psig (25 barg) depending on versions
Output pressure range:	0.5 Psig to 22 Psig (30-1500mbar) or 15 to 60 Psig (1 to 4 barg) depending on versions
Ambient temperature rating:	-4°F to 140°F (-20°C/+60°C)

Cast iron, steel, NBR. Refer to Datasheet for technical specifics, flow and pressure drop. Refer to spring guide for correct output pressure. Spring must be identified at time of order, but included in price of FRM.

Model / Tech. Data	*Order No.*			List Price
FRM100025/SAV ND ANSI	**271786**			2,711.30
150 Psig inlet pressure rating 0.5 to 1.5 Psig outlet Pressure Slam-Shut Included ANSI flanged		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 42 88.00 39.95	
FRM100025/SAV MD ANSI	**273277**			2,711.30
150 Psig inlet pressure rating 1-6 Psig outlet Pressure Slam-Shut Included ANSI flanged		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 42 75.00 34.05	
FRM100025/SAV HD ANSI	**273278**			2,915.13
150 Psig inlet pressure rating 5.8 to 22 Psig outlet Pressure Slam-Shut Included ANSI flanged		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 42 84.00 38.14	

Model / Tech. Data	Order No.		List Price
FRM100040/SAV ND ANSI	**273279**		3,006.04
150 Psig inlet pressure rating .5 to 1.5 Psig outlet Pressure Slam-Shut Included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 97.00 **Weight** (Kg.) 44.04	
FRM100040/SAV MD ANSI	**273280**		3,006.04
150 Psig inlet pressure rating 1 to 6 Psig outlet pressure Slam-Shut Included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 84.00 **Weight** (Kg.) 38.14	
FRM100040/SAV HD ANSI	**273281**		3,171.74
150 Psig inlet pressure rating 5.8 to 22 Psig outlet pressure Slam-Shut Included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 93.00 **Weight** (Kg.) 42.22	
FRM100050/SAV ND ANSI	**273282**		3,300.78
150 Psig inlet pressure rating .5 to 1.5 Psig outlet pressure Slam-Shut Included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 112.00 **Weight** (Kg.) 50.85	
FRM100050/SAV MD ANSI	**273283**		3,300.78
150 Psig inlet pressure rating 1 to 6 Psig outlet pressure Slam-Shut Included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 99.00 **Weight** (Kg.) 44.95	
FRM100050/SAV HD ANSI	**273421**		3,533.93
150 Psig inlet pressure rating 5.8 to 22 Psig outlet pressure Slam-Shut Included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 108.00 **Weight** (Kg.) 49.03	
FRM 250025 UHD/SAV UHD ANSI	**274634**		3,439.85
285 Psig inlet pressure rating 14.5 to 58 Psig outlet pressure Slam-Shut included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 84.00 **Weight** (Kg.) 38.14	
FRM 250040 UHD/SAV UHD ANSI	**274638**		3,742.65
285 Psig inlet pressure rating 14.5 to 58 Psig outlet pressure Slam-Shut included ANSI Flanged		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 93.00 **Weight** (Kg.) 42.22	

Model / Tech. Data	*Order No.*	List Price
FRM 250050 UHD/SAV UHD ANSI	**274640**	4,170.03

285 Psig inlet pressure rating
14.5 to 58 Psig outlet pressure
Slam-Shut included
ANSI Flanged

Delivery Info	NP
Product Group	42
Weight (lbs.)	108.00
Weight (Kg.)	49.03



Description

The SAV (Safety Shut Off Valve) protects downstream fittings or lines against pressures that are too high or too low. When the pre-set trip pressure falls below or exceeds a limit due to a fault, the SAV automatically interrupts the gas flow. Under normal operating condition the SAV is open.

If the equipment downstream of the regulator, including any pipework, cannot safely operate or contain a pressure equal to the highest supply pressure (inlet to regulator), a SAV must be installed. The SAV is designed to shut down the gas supply in the event of a fault condition.

The SAV complies with the requirements of EN 14382 as safety shutoff valve with standard strength range (IS).

Link to the Datasheet

Harmonized Code:

Range depends on versions. Not all versions are listed in this document.
Response time: < 2 s
Lower Adjustment range: 10 mbar up to 3000 mbar (1-300 kPa)
Upper Adjustment range: 40 mbar up to 5000 mbar (4-500 kPa)
Pressure Rating 285 psig for ANSI 150Lbs versions and 25 barg for DIN PN25 versions.

Main body housing: cast iron GGG 50
Minimum cut-off included and can be removed upon request. No cost difference.
Diaphragms: NBR

Model / Tech. Data	*Order No.*		List Price
SAV 250025 UHD ANSI	**274641**		1,069.86
1" ANSI 150Lbs 285 Psig Rating 7-75 Psig OPSO Setting		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) **Weight** (Kg.)	
SAV 250040 UHD ANSI	**274642**		1,232.92
1.5" ANSI 150Lbs 285 Psig Rating 7-75 Psig OPSO Setting		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) **Weight** (Kg.)	
SAV 250050 UHD ANSI	**273993**		1,297.89
2" ANSI 150Lbs 285 Psig Rating 7-75 Psig OPSO Setting		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) **Weight** (Kg.)	



Description
The DUNGS FRG 7../6 proportionator/zero governor has an adjustable setpoint spring and nonadjustable counterspring. The DUNGS FRG 7../6 is recommended for industrial and commercial heating applications. It is suitable for natural gas, propane, butane, air and other inert gases.
Application (Proportionator)
Holds a constant gas/air ratio by varying gas flow to a gas burning piece of equipment in proportion to combustion air flow. Adjustable ratio for excess gas or air operation.
Application (Zero Governor)
Controls fuel by reducing incoming gas pressure to zero or adjustable to slightly above or below atmospheric pressure.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications Proportionator	
Max. operating pressure	7 PSI (500 mbar); 5 PSI (360 mbar) CSA
Optimal input pressure range	2 to 82 in. W.C. (5 to 200 mbar)
Output pressure range	4 to 60 in. W.C. (10 to 150 mbar)
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)
Specifications Zero Governor	
Max. operating pressure	7 PSI (500 mbar) (5 PSI CSA)
Optimal input pressure range	2 to 20 in. W.C. (5 to 50 mbar)
Output pressure range	-2 to 2 in. W.C. (-5 to 5 mbar)
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)

Aluminum body; Two upstream and downstream taps; air impulse line on top; Refer to selection guide for technical specifics, flow and pressure drop. Optional low fire bypass (part # 225256) for 705/6, 707/6, 710/6, 712/6, 715/6, 720/6.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	Order No.			List Price
FRG 705/6	**226458**			321.45
1/2" NPT Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 226-458		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 45 1.30 0.59	
FRG 707/6	**226459**			331.05
3/4" NPT Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 226-459		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 45 2.20 1.00	
FRG 710/6	**226460**			341.30
1" NPT Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 226-460		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 45 2.70 1.23	

Model / Tech. Data	Order No.	List Price
FRG 712/6	**226461**	431.69
1 1/4" NPT Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 226-461	**Delivery Info** A **Product Group** 45 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23	
FRG 715/6	**226462**	525.04
1 1/2" NPT Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 226-462	**Delivery Info** A **Product Group** 45 **Weight** (lbs.) 5.50 **Weight** (Kg.) 2.50	
FRG 720/6	**226463**	697.89
2" NPT Refer to sales brochure for specific output ranges Repair Kit 229658 FORMERLY: 226-463	**Delivery Info** A **Product Group** 45 **Weight** (lbs.) 7.70 **Weight** (Kg.) 3.50	
FRG 725/6	**226464**	1,268.09
2 1/2" NPT Refer to sales brochure for specific output ranges Repair Kit 229659 FORMERLY: 226-464	**Delivery Info** A **Product Group** 45 **Weight** (lbs.) 16.50 **Weight** (Kg.) 7.49	
FRG 730/6	**226465**	1,492.13
3" NPT Refer to sales brochure for specific output ranges Repair Kit 229660 FORMERLY: 226-465	**Delivery Info** A **Product Group** 45 **Weight** (lbs.) 22.10 **Weight** (Kg.) 10.03	



Description
The DUNGS FRNG 5../10 proportionator/zero governor has an adjustable setpoint spring and nonadjustable counterspring. The DUNGS FRNG 5../10 is recommended for industrial and commercial heating applications. It is suitable for natural gas, propane, butane, air and other inert gases.
Application (Proportionator)
Holds a constant gas/air ratio by varying gas flow to a gas burning piece of equipment in proportion to combustion air flow. Adjustable ratio for excess gas or air operation.
Application (Zero Governor)
Controls fuel by reducing incoming gas pressure to zero or adjustable to slightly above or below atmospheric pressure.

Link to the Datasheet and User Manual

Harmonized Code: 84818059

Specifications Proportionator	
Max. operating pressure	7 PSI (500 mbar)
Optimal input pressure range	2 to 82 in. W.C. (5 to 200 mbar)
Output pressure range	0 to 60 in. W.C. (10 to 150 mbar)
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)
Specifications Zero Governor	
Max. operating pressure	7 PSI (500 mbar)
Optimal input pressure range	2 to 20 in. W.C. (5 to 50 mbar)
Output pressure range	-1.2 to 2 in. W.C. (-3 to 5 mbar)
Ambient temperature rating	+5 °F to +160 °F (-15 °C to +70 °C)

Aluminum body; Two upstream and downstream taps; air impulse line on top; Refer to selection guide for technical specifics, flow and pressure drop. Optional low fire bypass for 3/8" - 2" (225256).
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	Order No.			List Price
FRNG 503	**220967**			309.88
RP 3/8" Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 220-967		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 0.60 0.27	
FRNG 505	**220968**			315.25
1/2" RP Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 220-968		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 1.30 0.59	
FRNG 507	**220969**			344.15
3/4" RP Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 220-969		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 1.30 0.59	

Model / Tech. Data	Order No.	List Price
FRNG 510	**220970**	375.41
1" RP Refer to sales brochure for specific output ranges No Repair Kit Available FORMERLY: 220-970	**Delivery Info** C **Product Group** 45 **Weight** (lbs.) 2.60 **Weight** (Kg.) 1.18	
FRNG 515	**209064**	577.56
1 1/2" RP Refer to sales brochure for specific output ranges Repair Kit 229657 FORMERLY: 209-064	**Delivery Info** C **Product Group** 45 **Weight** (lbs.) 5.50 **Weight** (Kg.) 2.50	
FRNG 520	**209065**	767.72
2" RP Refer to sales brochure for specific output ranges Repair Kit 229658 FORMERLY: 209-065	**Delivery Info** C **Product Group** 45 **Weight** (lbs.) 7.70 **Weight** (Kg.) 3.50	



Description
The DUNGS Flanged FRNG proportionator/zero governor has an adjustable setpoint spring and nonadjustable counterspring. The DUNGS Flanged FRNG is recommended for industrial and commercial heating applications. It is suitable for natural gas, propane, butane, air and other inert gases.
Application (Proportionator)
Holds a constant gas/air ratio by varying gas flow to a gas burning piece of equipment in proportion to combustion air flow. Adjustable ratio for excess gas or air operation.
Application (Zero Governor)
Controls fuel by reducing incoming gas pressure to zero or adjustable to slightly above or below atmospheric pressure.

Link to the Datasheet and User Manual

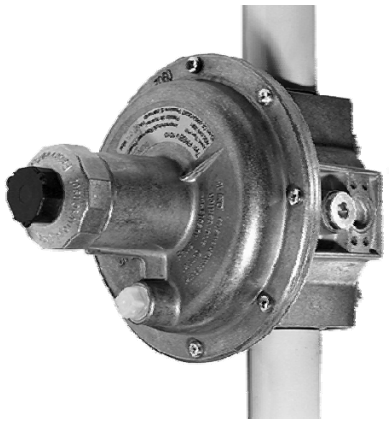
Harmonized Code: 84818059

Specifications Proportionator	
Max. operating pressure	7 PSI (500 mbar)
Optimal input pressure range	2 to 82 in. W.C. (5 to 200 mbar)
Output pressure range	0 to 60 in. W.C. (10 to 150 mbar)
Ambient temperature rating	-40 °F to +160 °F (-40 °C to +70 °C)
Specifications Zero Governor	
Max. operating pressure	7 PSI (500 mbar)
Optimal input pressure range	2 to 20 in. W.C. (5 to 50 mbar)
Output pressure range	-1.2 to 2 in. W.C. (-3 to 5 mbar)
Ambient temperature rating	+5 °F to +160 °F (15 °C to +70 °C)

Aluminum body; Two upstream taps; air impulse line on top; Refer to selection guide for technical specifics, flow and pressure drop.
For Factory Installed Spring Changes, See Page 170.1

Model / Tech. Data	*Order No.*			List Price
FRNG 5040	**159350**			731.44
DN. 40 Refer to sales brochure for specific output ranges. 1 1/2” nominal pipe size Repair Kit 229657 FORMERLY: 159-350		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 7.70 3.50	
FRNG 5050	**209067**			797.57
DN. 50 Refer to sales brochure for specific output ranges. 2” nominal pipe size Repair Kit 229658 FORMERLY: 209-067		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 45 11.00 4.99	
FRNG 5065	**209068**			1,329.56
DN. 65 Refer to sales brochure for specific output ranges. 2 1/2” nominal pipe size Repair Kit 229659 FORMERLY: 209-068		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 45 16.50 7.49	

Model / Tech. Data	*Order No.*			List Price
FRNG 5080	**209069**			1,564.43
DN. 80 Refer to sales brochure for specific output ranges. 3” nominal pipe size Repair Kit 229660 FORMERLY: 209-069		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 45 22.00 9.99	
FRNG 5100	**214422**			2,768.24
DN. 100 Refer to sales brochure for specific output ranges. 4” nominal pipe size Repair Kit 229661 FORMERLY: 214-422		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 35.30 16.03	
FRNG 5125	**220758**			5,726.03
DN. 125 Refer to sales brochure for specific output ranges. 5” nominal pipe size Repair Kit 229662 FORMERLY: 220-758		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 61.70 28.01	
FRNG 5150	**224212**			8,291.55
DN. 150 Refer to sales brochure for specific output ranges. 6” nominal pipe size Repair Kit 229663 FORMERLY: 224-212		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 45 83.80 38.05	



Description
The DUNGS safety pressure relief valve, type FRSBV, is a spring-loaded safety blow-off device (SBV) with an adjustable response pressure. The safety blow-off valve corresponds to DIN 33821

Application
Safety pressure relief valve for gas burners and gas equipment. Suitable for gases of gas families 1,2,3 and other neutral gaseous media. Free of non-ferrous metals, suitable for gases up to max 0.1 vol.%H2S, dry.

CE

Link to the Datasheet

Harmonized Code: 8481.80.901

Specifications

Max. operating pressure	up to 1.0 bar (100 kPa)
Inlet pressure range	up to 1.0 bar (100 kPa)
Nominal Diameters	DN25
Pipe thread per ISO 7/1	Rp 1
Ambient temperature	-15° C to 70° C (5°F to 158° F)

Aluminum, Steel-housing. NBR – Seals and diaphragms
Setting range, response pressure: 20 mbar (2kPa) up to 1000 mbar (100 kPa) depending on the adjustable reference value spring.
Standard spring is the YELLOW spring, range is 70 mbar up to 350 mbar.

Model / Tech. Data	*Order No.*	List Price
FRSBV 1010	**226284**	915.34

Delivery Info	NP
Product Group	42
Weight (lbs.)	2.82
Weight (Kg.)	1.28



Description

The Medium Pressure Controller FRM-NOC is a direct acting pressure regulator without inlet pressure compensation that has adjustable setpoint spring and optional modular safety shut-off valve (SAV).

- Input pressures up to 10 bar (1,000 kPa) (145 Psig)
- Rapid response to changes in flows
- 4-to-6 different seat diameters available for each size
- Regulating cup without inlet pressure balancing
- Internal sensing (Optional: external sensing)
- Easy maintenance
- Flange connection ANSI 150Lbs 1", 1.5", 2" or DN25, DN40, DN50

Application

For systems that require rapid response to changes in flows (industrial gas burners and gas burning appliances), the FRM-NOC is suitable for gases of gas families 1,2,3 and other neutral gaseous media.

Link to the Datasheet

Harmonized Code: 8481.80.901

Specifications

Nominal diameters of flanges:	Connecting flanges PN 25 according to EN 1092-1 or ANSI 150 lbs 1",
Nominal diameters of threadsd:	1.5", 2" (B16.5) DN 25, 40, 50
Max. Input pressure:	Connecting threads according to BSP (ISO 228/1) or NPT (B1.20.1) G 1, 1½, 2”
Output pressure range:	145 Psig (10 bar)
Minimum differential pressure (ND):	8" W.C. - 58 Psig (20 mbar to 4,000 mbar)
Minimum differential pressure (MD):	8" W.C. (20 mbar)
Minimum differential pressure (HD/UHD):	1.16 Psig (80 mbar)
Ambient temperature rating:	3.63 Psig (250 mbar)
	-20 C to +60 C (-4F to 140F)

NPT and ANSI versions do not come standard with CE Approvals. CE versions have same cost but will have extended lead times.

Materials:

- Controller housing: Cast Iron GGG 50 (GJS 400-18 on request)
- Diaphragm housing: Aluminum /steel plate (UHD)
- Diaphragms: NBR
- Outdoor installation in corrosive areas might require specific options

Model / Tech. Data	*Order No.*		List Price
FRM-NOC 10010 ND NPT	**280236**		681.86
8" to 40" W.C. outlet pressure range 1" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 11.00 **Weight** (Kg.) 4.99	
FRM-NOC 10010 MD NPT	**280237**		681.86
1.2 to 5.8 Psig outlet pressure range 1" NPT Stocked Item		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 11.00 **Weight** (Kg.) 4.99	
FRM-NOC 10010 HD NPT	**280238**		681.86
4.4 to 22 Psig outlet pressure range 1" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 11.00 **Weight** (Kg.) 4.99	

Model / Tech. Data	Order No.		List Price
FRM-NOC 10010 UHD NPT	**280239**		995.66
15 to 60 Psig outlet pressure range 1" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 19.80 **Weight** (Kg.) 8.99	
FRM-NOC 10015 ND NPT	**280240**		872.48
8" to 40" W.C.outlet pressure range 1.5 NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 13.20 **Weight** (Kg.) 5.99	
FRM-NOC 10015 MD NPT	**280241**		872.48
1.2 to 5.8 Psig outlet pressure range 1.5 NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 13.20 **Weight** (Kg.) 5.99	
FRM-NOC 10015 HD NPT	**280242**		872.48
4.4 to 22 Psig outlet pressure range 1.5" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 13.20 **Weight** (Kg.) 5.99	
FRM-NOC 10015 UHD NPT	**280243**		1,227.34
15 to 60 Psig outlet pressure range 1.5" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 22.00 **Weight** (Kg.) 9.99	
FRM-NOC 10020 ND NPT	**280244**		1,220.01
8" to 40" W.C. outlet pressure range 2" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 26.50 **Weight** (Kg.) 12.03	
FRM-NOC 10020 MD NPT	**280245**		1,220.01
1.2 to 5.8 Psig outlet pressure range 2" NPT Stocked Item		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 26.50 **Weight** (Kg.) 12.03	
FRM-NOC 10020 HD NPT	**280246**		1,220.01
4.4 to 22 Psig outlet pressure range 2" NPT		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 24.25 **Weight** (Kg.) 11.01	

Model / Tech. Data	Order No.			List Price
FRM-NOC 10020 UHD NPT	**280247**			1,400.38
15 to 60 Psig outlet pressure range 2" NPT		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	35.30	
		Weight (Kg.)	16.03	
FRM-NOC 100025 ND ANSI	**280260**			1,419.44
8" to 40" W.C. outlet pressure range 1" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	19.80	
		Weight (Kg.)	8.99	
FRM-NOC 100025 MD ANSI	**280261**			1,419.44
1.2 to 5.8 Psig outlet pressure range 1" ANSI 150 lbs Flanged Stocked Item		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	19.80	
		Weight (Kg.)	8.99	
FRM-NOC 100025 HD ANSI	**280262**			1,419.44
4.4 to 22 Psig outlet pressure range 1" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	19.80	
		Weight (Kg.)	8.99	
FRM-NOC 100025 UHD ANSI	**280263**			1,611.53
15 to 60 Psig outlet pressure range 1" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	28.70	
		Weight (Kg.)	13.03	
FRM-NOC 100040 ND ANSI	**280264**			1,780.16
8" to 40" W.C. outlet pressure range 1.5" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	37.50	
		Weight (Kg.)	17.03	
FRM-NOC 100040 MD ANSI	**280265**			1,780.16
1.2 to 5.8 Psig outlet pressure range 1.5" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	37.50	
		Weight (Kg.)	17.03	
FRM-NOC 100040 HD ANSI	**280266**			1,780.16
4.4 to 22 Psig outlet pressure range 1.5" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	35.30	
		Weight (Kg.)	16.03	

Model / Tech. Data	Order No.			List Price
FRM-NOC 100040 UHD ANSI	**280267**			1,973.72
15 to 60 Psig outlet pressure range 1.5" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	46.30	
		Weight (Kg.)	21.02	
FRM-NOC 100050 ND ANSI	**280268**			1,948.80
8" to 40" W.C. outlet pressure range 2" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	44.00	
		Weight (Kg.)	19.98	
FRM-NOC 100050 MD ANSI	**280269**			1,948.80
1.2 to 5.8 Psig outlet pressure range 2" ANSI 150 lbs Flanged Stocked Item		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	44.00	
		Weight (Kg.)	19.98	
FRM-NOC 100050 HD ANSI	**280270**			1,948.80
4.4 to 22 Psig outlet pressure range 2" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	42.00	
		Weight (Kg.)	19.07	
FRM-NOC 100050 UHD ANSI	**280271**			2,132.09
15 to 60 Psig outlet pressure range 2" ANSI 150 lbs Flanged		**Delivery Info**	NP	
		Product Group	42	
		Weight (lbs.)	53.00	
		Weight (Kg.)	24.06	



Description

The Medium Pressure Controller FRM-NOC/SAV is a direct acting pressure regulator without inlet pressure compensation that has adjustable setpoint spring and optional modular safety shutoff valve (SAV).

- Input pressures up to 10 bar (4000" WC) (1,000 kPa) (145 Psig)
- Rapid response to changes in flows
- 4-to-6 different seat diameters available for each size
- Regulating cup without inlet pressure balancing
- Internal sensing (Optional: external sensing)
- Easy maintenance
- Flange connection ANSI 150Lbs 1", 1.5", 2" or PN25 - DN25, DN40, DN50
- AC 10 Accuracy class, SG20 Accuracy for Slam Shut

Application

For systems that require rapid response to changes in flows (industrial gas burners and gas burning appliances), the FRM-NOC is suitable for gases of gas families 1,2,3 and other neutral gaseous media including hydrogen blends up to 20% H2.

Link to the Datasheet

Harmonized Code: 8481.80.901

Specifications

Nominal diameters of flanged versions:	Connecting flanges PN 25 according to EN 1092-1 or ANSI 150 lbs 1",
Nominal diameters of threaded versions:	1.5", 2" (B16.5) DN 25, 40, 50
Max. Input pressure:	Connecting threads according to BSP (ISO 228/1) or NPT (B1.20.1) G 1, 1½, 2”
Output pressure range:	145 Psig (10 bar)
Minimum outlet pressure (ND):	8" W.C. - 40” W.C. (20 mbar to 4,000 mbar)
Minimum outlet pressure (MD):	32" - 160" W.C.
Minimum outlet pressure (HD/UHD):	1.16 Psig (80 mbar) / 3.63 Psig (250 mbar)
Ambient temperature rating:	-4F to 140F (-20 C to +60 C)

Materials:

Body: Cast Iron GGG 50
Diaphragm Housing: Aluminum
Diaphragms: NBR
Outdoor installation in corrosive areas might require specific options

Model / Tech. Data	*Order No.*		List Price
FRM-NOC 10010 ND / SAV NPT	**280224**		907.67
1" Low Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 8 - 40" WC (0.3 - 1.5 Psig)		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 15.40 **Weight** (Kg.) 6.99	
FRM-NOC 10010 MD / SAV NPT	**280225**		907.67
1" Medium Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 1.2 - 5.8 Psig		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 15.40 **Weight** (Kg.) 6.99	
FRM-NOC 10010 HD / SAV NPT	**280226**		907.67
1" High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 4.3 - 22 Psig		**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 15.40 **Weight** (Kg.) 6.99	

Model / Tech. Data	Order No.	List Price
FRM-NOC 10010 UHD / SAV NPT	**280227**	1,327.06
1" Ultra High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 14.5 - 58 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 24.16 **Weight** (Kg.) 10.97	
FRM-NOC 10015 ND / SAV NPT	**280228**	1,124.70
1.5" Low Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 8-40" WC (0.3-1.5 Psig)	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 27.60 **Weight** (Kg.) 12.53	
FRM-NOC 10015 MD / SAV NPT	**280229**	1,124.70
1.5" Medium Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 1.2 - 5.8 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 27.60 **Weight** (Kg.) 12.53	
FRM-NOC 10015 HD / SAV NPT	**280230**	1,124.70
1.5" High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 4.3 - 22 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 27.60 **Weight** (Kg.) 12.53	
FRM-NOC 10015 UHD/SAV NPT	**280231**	1,571.94
1.5" Ultra High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 14.5 - 58 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 26.50 **Weight** (Kg.) 12.03	
FRM-NOC 10020 ND / SAV NPT	**280232**	1,488.36
2" Low Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 8-40" WC (0.3-1.5 Psig)	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 30.90 **Weight** (Kg.) 14.03	
FRM-NOC 10020 MD / SAV NPT	**280233**	1,488.36
2" Medium Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 1.2 - 5.8 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 30.90 **Weight** (Kg.) 14.03	
FRM-NOC 10020 HD / SAV NPT	**280234**	1,488.36
2" High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 4.3 - 22 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 28.70 **Weight** (Kg.) 13.03	

Model / Tech. Data	Order No.	List Price
FRM-NOC 10020 UHD / SAV NPT	**280235**	1,708.31
2" Ultra High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 14.5 - 58 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 40.00 **Weight** (Kg.) 18.16	
FRM-NOC 100025 ND / SAV ANSI	**280248**	1,730.31
2.5" Low Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 8-40" WC (0.3-1.5 Psig)	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 24.00 **Weight** (Kg.) 10.90	
FRM-NOC 100025 MD / SAV ANSI	**280249**	1,730.31
2.5" Medium Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 1.2 - 5.8 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 24.00 **Weight** (Kg.) 10.90	
FRM-NOC 100025 HD / SAV ANSI	**280250**	1,730.31
DN 25 ANSI High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 4.3 - 22 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 24.00 **Weight** (Kg.) 10.90	
FRM-NOC 100025 UHD / SAV ANSI	**280251**	1,964.93
DN 25 ANSI Ultra High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 14.5 - 58 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 33.00 **Weight** (Kg.) 14.98	
FRM-NOC 100040 ND / SAV ANSI	**280252**	2,067.57
DN 40 ANSI Low Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 8-40" WC (0.3-1.5 Psig)	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 42.00 **Weight** (Kg.) 19.07	
FRM-NOC 100040 MD / SAV ANSI	**280253**	2,067.57
DN 40 ANSI Medium Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 1.2 - 5.8 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 42.00 **Weight** (Kg.) 19.07	
FRM-NOC 100040 HD / SAV ANSI	**280254**	2,067.57
DN 40 High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 4.3 - 22 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 37.00 **Weight** (Kg.) 16.80	

Model / Tech. Data	Order No.	List Price
FRM-NOC 100040 UHD / SAV ANSI	**280255**	2,294.86
DN 40 Ultra High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 14.5 - 58 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 50.70 **Weight** (Kg.) 23.02	
FRM-NOC 100050 ND / SAV ANSI	**280256**	2,265.52
DN 50 Low Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 8-40" WC (0.3-1.5 Psig)	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 48.50 **Weight** (Kg.) 22.02	
FRM-NOC 100050 MD / SAV ANSI	**280257**	2,265.52
DN 50 Medium Outlet Pressure Regulator with Safety Shut Off Valve Outlet Pressure Range: 1.2 - 5.8 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 48.50 **Weight** (Kg.) 22.02	
FRM-NOC 100050 HD / SAV ANSI	**280258**	2,265.52
DN 50 High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 4.3 - 22 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 46.00 **Weight** (Kg.) 20.88	
FRM-NOC 100050 UHD/SAV ANSI	**280259**	2,478.15
DN 50 Ultra High Outlet Pressure Regulator with Safety Shut off Valve Outlet Pressure Range: 14.5 - 58 Psig	**Delivery Info** NP **Product Group** 42 **Weight** (lbs.) 57.00 **Weight** (Kg.) 25.88	

DUNGS®
Combustion Controls



Gas & Air Filters

Product	Model	Page
Gas & Air Filters - Threaded - GF	EU	85.1
Pre-Mount Filters for DMV-D(LE) Series	US/EU	85.2
Gas & Air Filters - Flanged - GF	US/EU	86.1
Gas & Air Filters - High Pressure - VZF	EU	87.1
Gas & Air Filters - Flanged - GF 6 bar	US	88.1
Gas Filters ***New Product***		89.1



Description
The DUNGS gas filter is designed for interior gas lines as per DIN 3386 with high dust storage capacity.

Application
Type GF/1 gas and air filter for protecting downstream fittings. Filter suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84213998

Specifications

Max. operating pressure	7 PSI (500 mbar)
Ambient temperature rating	50 micron; replaceable +5 °F to +176 °F (-15 °C to +80 °C)

Aluminum body; Refer to selection guide for technical specifics, flow and pressure drop.

Model / Tech. Data	Order No.		List Price
GF 505	**066191**		86.50
Rp 1/2		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
FORMERLY: 066-191			
GF 507	**066209**		89.20
Rp 3/4		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
FORMERLY: 066-209			
GF 510	**066217**		142.81
Rp 1		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 2.50 **Weight** (Kg.) 1.14	
FORMERLY: 066-217			

Model / Tech. Data	*Order No.*		List Price
GF 515	**066225**		155.88
Rp 1 1/2 FORMERLY: 066-225		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 2.50 **Weight** (Kg.) 1.14	
GF 520	**066233**		163.68
Rp 2 FORMERLY: 066-233		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 4.00 **Weight** (Kg.) 1.82	
PRE-MOUNT FILTER	**232440**		148.09
Mount Gas Filter for DMV 507/701 FORMERLY: 232-440		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
PRE-MOUNT FILTER	**226342**		178.44
Mount Gas Filter for DMV 512/520/702/703 FORMERLY: 226-342		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 3.00 **Weight** (Kg.) 1.36	



Description
The DUNGS gas filter is designed for interior gas lines as per DIN 3386 with high dust storage capacity. Flange connection as per DIN 2501 Part 1.

Application
Type GF/3 and GF/4 gas and air filter for protecting downstream fittings. Filter suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84213998

Specifications

Max. operating pressure	58 PSI (4 bar)
Max. pressure difference	4 in. W.C. (10 mbar), maximum recommended pressure difference in new condition
Gas filter	50 micron; replaceable
Ambient temperature rating	+5 °F to +176 °F (-15 °C to +80 °C)

Aluminum body; Refer to selection guide for technical specifics, flow and pressure drop.

Model / Tech. Data	Order No.			List Price
GF40040/3	**222637**			
DN. 40 obsolete - replaced by 279853 1 1/2" nominal pipe size 50 micron FORMERLY: 222-637		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 6.17 2.80	**PRICE ON REQUEST**
GF40050/4	**256408**			
DN. 50 obsolete - replaced by 279854 2" nominal pipe size 50 micron FORMERLY: 256-408		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 7.94 3.60	**PRICE ON REQUEST**
GF40065/4	**256409**			
DN. 65 obsolete - replaced by 279855 2 1/2" nominal pipe size 50 micron FORMERLY: 256-409		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 12.57 5.71	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*			List Price
GF40080/4	**256410**			
DN. 80 obsolete - replaced by 279856 3” nominal pipe size 50 micron FORMERLY: 256-410		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 17.42 7.91	**PRICE ON REQUEST**
GF40100/4	**256411**			
DN. 100 obsolete - replaced by 279857 4” nominal pipe size 50 micron FORMERLY: 256-411		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 26.01 11.81	**PRICE ON REQUEST**
GF40125	**218162**			
DN. 125 obsolete - replaced by 279858 5” nominal pipe size 50 micron FORMERLY: 218-162		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 43.00 19.52	**PRICE ON REQUEST**
GF40150	**218163**			
DN. 150 obsolete - replaced by 279859 6” nominal pipe size 50 micron FORMERLY: 218-163		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 65 56.22 25.52	**PRICE ON REQUEST**



Description
High pressure gas filter is designed for interior gas lines with high dust storage capacity. ISO Flange connection as per EN1092 or ANSI B16.5 150Lbs.

Application
Type VZF gas and air filter for protecting downstream fittings. Filter suitable for natural gas, propane, butane, air and other inert gases.

CE

Harmonized Code:

Specifications

Max. operating pressure	230 PSI (16 bar)
Max. pressure difference	7 PSI (500 mbar), maximum recommended pressure difference in new condition
Gas filter	99.5% filtration of 2 micron particles; replaceable - See gas filter accessories
Max. working temperature	+160 °F (+70 °C)
Min. working temperature	14 °F (-10 °C)
	-40 °F (-40 °C) versions available upon request

Aluminum body - DN25 (1”) up to DN150 (6”) DIN PN 16 or ANSI 150Lbs FLANGED; Contact DUNGS for selection guide & technical specifics.

Models available for Biogas & Landfill gas applications. Contact DUNGS customer service for pricing & availability.

Model / Tech. Data	*Order No.*			List Price
VZF gas filter DN25	**227153**			1,170.73
DN. 25 PN16_EN1092 1” nominal pipe size FORMERLY: 227-153		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 2.00 0.91	
VZF gas filter DN50	**227155**			2,113.01
DN. 50 PN16_EN1092 2” nominal pipe size FORMERLY: 227-155		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 16.50 7.49	
VZF gas filter DN65	**251528**			2,765.27
DN. 65 PN16_EN1092 2.5” nominal pipe size FORMERLY: 251-528		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 30.00 13.62	

Model / Tech. Data	Order No.			List Price
VZF gas filter DN80	**227156**			2,903.54
DN. 80 PN16_EN1092 3” nominal pipe size FORMERLY: 227-156		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 26.50 12.03	
VZF gas filter DN100	**227157**			3,947.37
DN. 100 PN16_EN1092 4” nominal pipe size FORMERLY: 227-157		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 41.90 19.02	
VZF gas filter DN125	**251529**			9,119.06
DN. 125 PN16_EN1092 5” nominal pipe size FORMERLY: 251-529		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 90.80 41.22	
VZF gas filter DN150	**227158**			9,575.01
DN. 150 PN16_EN1092 6” nominal pipe size FORMERLY: 227-158		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 92.60 42.04	
VZF gas filter 1" ANSI	**275717**			1,170.73
1" ANSI 150 LBS_ANSI B16.5 1" nominal pipe size		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 65 5.95 2.70	
VZF GAS FILTER 2" ANSI	**267953**			2,113.01
2" ANSI 150 LBS_ANSI B16.5 2" nominal pipe size		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 65 15.42 7.00	
VZF GAS FILTER 3" ANSI	**267991**			2,903.54
3" ANSI 150 LBS_ANSI B16.5 3" nominal pipe size		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 65 26.43 12.00	
VZF GAS FILTER 4" ANSI	**270160**			3,947.37
4" ANSI 150 LBS_ANSI B16.5 4" nominal pipe size		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 65 43.00 19.52	

Model / Tech. Data	*Order No.*	List Price
VZF GAS FILTER 6" ANSI	**275716**	9,575.01

6" ANSI 150 LBS_ANSI B16.5

6" nominal pipe size

Delivery Info	NP
Product Group	65
Weight (lbs.)	92.60
Weight (Kg.)	42.04



Description
The DUNGS gas filter is designed for interior gas lines as per DIN 3386 with high dust storage capacity. Flange connection as per DIN 2501 Part 1.

Application
Type GF/3 and GF/4 gas and air filter for protecting downstream fittings. Filter suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 8421.39.809

Specifications

Max. operating pressure	87 PSI (6 bar)
Max. pressure difference	4 in. W.C. (10 mbar), maximum recommended pressure difference in new condition
Gas filter insert	50 micron; replaceable (Optional 10 micron filter element available as a special request.)
Ambient temperature rating	+5 °F to +176 °F (-15 °C to +80 °C)

Housing: aluminum
Seal: NBR
Filter insert: Polypropylen fleece
Frame: Steel galvanized

Model / Tech. Data	*Order No.*		List Price
GF 60040/3	**279853**		657.49
DN. 40 Replaces 222637 1 1/2” nominal pipe size 50 micron Filter insert: 222691		**Delivery Info** C **Product Group** 65 **Weight** (lbs.) 6.28 **Weight** (Kg.) 2.85	
GF 60050/4	**279854**		690.39
DN. 50 Replaces 256408 2” nominal pipe size 50 micron Filter insert: 257124		**Delivery Info** B **Product Group** 65 **Weight** (lbs.) 9.39 **Weight** (Kg.) 4.26	
GF 60065/4	**279855**		724.90
DN. 65 Replaces 256409 2 1/2” nominal pipe size 50 micron Filter insert: 222693		**Delivery Info** B **Product Group** 65 **Weight** (lbs.) 13.27 **Weight** (Kg.) 6.02	

Model / Tech. Data	Order No.			List Price
GF 60080/4	**279856**			768.76
DN. 80 Replaces 256410 3” nominal pipe size 50 micron Filter insert: 222694		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 65 18.60 8.44	
GF 60100/4	**279857**			1,033.99
DN. 100 Replaces 256411 4” nominal pipe size 50 micron Filter insert: 222695		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 65 27.78 12.61	
GF 60125/3	**279858**			2,960.64
DN. 125 Replaces 218162 5” nominal pipe size 50 micron Filter insert: 222696		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 45.50 20.66	
GF 60150/3	**279859**			4,284.51
DN. 150 Replaces 218163 6” nominal pipe size 50 micron Filter insert: 222697		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 65 57.30 26.01	

DUNGS®
Combustion Controls



Description
Dungs offers NPT threaded and ANSI Flanged gas filters in sizes from ½”NPT to 2”NPT and 1”ANSI to 6”ANSI raised face Class 150 flanges. Filters are suitable for natural gas, propane, butane, air and other inert gases.

Filters are available in 50 micron or 10 micron.

CE

Harmonized Code: Various

Specifications

Max Operating Pressure:	87 Psig (6 barg)
Ambient Temperature Rating:	-40 F to +158 F (-40C to +70C)

Threaded Filters: 1/8” NPT Pressure Ports
Flanged Filters: 1/4” NPT Pressure Ports

Model / Tech. Data	*Order No.*		List Price
Gas Filter 1/2"NPT	**294348**		97.99
50 Micron 87Psig 4Tap Filter Insert: 294563		**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 3/4"NPT	**294349**		111.98
50 Micron 87Psig 4Tap Filter Insert: 294563		**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 1"NPT	**294350**		130.64
50 Micron 87Psig 4Tap Filter Insert: 294563		**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
Gas Filter 1"1/4 NPT	**294351**	136.02
50 Micron 87Psig 4Tap Filter Insert: 294564	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 1"1/2 NPT	**294352**	144.52
50 Micron 87Psig 4Tap Filter Insert: 294564	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 2" NPT	**294353**	151.59
50 Micron 87Psig 4Tap Filter Insert: 294565	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 1" ANSI	**294354**	394.60
50 Micron 87Psig 4Tap Filter Insert: 294564	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 1"1/2 ANSI	**294355**	426.02
50 Micron 87Psig 4Tap Filter Insert: 294566	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 2" ANSI	**294356**	447.09
50 Micron 87Psig 4Tap Filter Insert: 294566	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 2"1/2 ANSI	**294357**	661.79
50 Micron 87Psig 4Tap Filter Insert: 294567	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 3" ANSI	**294358**	675.94
50 Micron 87Psig 4Tap Filter Insert: 294567	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
Gas Filter 4" ANSI	**294359**	986.50
50 Micron 87Psig 4Tap Filter Insert: 294568	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 5" ANSI	**294360**	2,385.27
50 Micron 87Psig 4Tap Filter Insert: 294569	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 6" ANSI	**294361**	3,180.36
50 Micron 87Psig 4Tap Filter Insert: 294569	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 1" ANSI	**295767**	431.49
10 Micron 87Psig 4Tap Filter Insert: 295762	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 1 1/2" ANSI	**295768**	464.63
10 Micron 87Psig 4Tap Filter Insert: 295763	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 2" ANSI	**295769**	485.70
10 Micron 87Psig 4Tap Filter Insert: 295763	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 2 1/2" ANSI	**295770**	711.09
10 Micron 87Psig 4Tap Filter Insert: 295764	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 3" ANSI	**295771**	725.25
10 Micron 87Psig 4Tap Filter Insert: 295764	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
Gas Filter 4" ANSI	**295772**	1,044.92
10 Micron 87Psig 4Tap Filter Insert: 295765	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 5" ANSI	**295773**	2,478.54
10 Micron 87Psig 4Tap Filter Insert: 295766	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Gas Filter 6" ANSI	**295774**	3,273.64
10 Micron 87Psig 4Tap Filter Insert: 295766	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert & Oring ANSI/NPT	**295762**	23.28
10 Micron 1" ANSI 1 1/4" - 1 1/2" NPT	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert & Oring ANSI	**295763**	30.94
10 Micron 1 1/2" and 2" ANSI Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert & Oring ANSI	**295764**	64.18
10 Micron 2 1/2" Filter (Also fits 3" ANSI Filter)	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert & Oring ANSI	**295765**	88.40
10 Micron 4" Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert & Oring ANSI	**295766**	371.04
10 Micron 5" Filter (Also fits 6" ANSI Filter)	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
Filter insert&ORing NPT	**294563**	11.54
50 Micron 1/2-3/4-1"NPT Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert&ORing NPT/ANSI	**294564**	17.83
50 Micron 1.25/1.5NPT Filter (Also fits 1" ANSI Filter)	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert&ORing NPT	**294565**	19.40
50 Micron 2" NPT Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert&ORing ANSI	**294566**	23.77
50 Micron 1"1/2-2"ANSI Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert&ORing ANSI	**294567**	46.31
50 Micron 2"1/2-3"ANSI Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert&ORing ANSI	**294568**	61.43
50 Micron 4"ANSI Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	
Filter insert&ORing ANSI	**294569**	309.20
50 Micron 5"/6" ANSI Filter	**Delivery Info** NP **Product Group** 65 **Weight** (lbs.) **Weight** (Kg.)	



DUNGS®
Combustion Controls

Modulating Control Valves and Motors

Product	Model	Page
Butterfly Control Valves - DMK	US/EU	90.1
Actuator - DMA	US/EU	91.1



Description
The DUNGS DMK butterfly control valve actuates from 0° to 90° degrees in either direction; it is not a tight shutoff valve. Inlet-side male thread and outlet-side female thread enable a space-saving assembly with direct mounting on most DUNGS shutoff valves.

Application
The DUNGS DMK is recommended for industrial and commercial heating applications for modulating gas or air supply to a piece of gas burning equipment. The DMK butterfly control valve is suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 85059010

Specifications

Max. pressure	7 PSI (500 mbar)
Max. differential pressure	1.5 PSI (100 mbar)
Torque	Max. 4.4 in-lb (50 N cm)
Ambient temperature	0 °F to +160 °F (-15 °C to +70 °C)

Maximum pressure drop of 40” for optimum control required; Use with DUNGS DMA actuator; Required torque 12 in-lb; Screws directly to the downstream flange of the DMV; Refer to selection guide for technical specifics, flow and pressure drop; 5 business day lead time for assembly and mounting. NPT threaded product is UL listed.

Model / Tech. Data	*Order No.*			List Price
DMK 707/6	**228754**			322.85
11 mm Orifice 3/4" NPT male inlet connection, 3/4" NPT female outlet connection FORMERLY: 228-754		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 67 1.80 0.82	
DMK 710/6	**237614**			338.21
15 mm Orifice 1" NPT male inlet connection, 1" NPT female outlet connection FORMERLY: 237-614		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 67 2.00 0.91	
DMK 710/6	**237617**			338.21
21 mm Orifice 1” NPT male inlet connection, 1” NPT female outlet connection. FORMERLY:		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	 67 	

Model / Tech. Data	Order No.	List Price
DMK 712/6	**228770**	357.28
19 mm Orifice 1 1/4" NPT male inlet connection, 1 1/4" NPT female outlet connection FORMERLY: 228-770	**Delivery Info** C **Product Group** 67 **Weight** (lbs.) 2.20 **Weight** (Kg.) 1.00	
DMK 712/6	**228777**	357.28
25 mm Orifice 1 ¼" NPT male inlet connection, 1 ¼" NPT female outlet connection. FORMERLY:	**Delivery Info** **Product Group** 67 **Weight** (lbs.) **Weight** (Kg.)	
DMK 715/6	**228779**	391.75
24 mm Orifice 1 1/2" NPT male inlet connection, 1 1/2" NPT female outlet connection FORMERLY: 228-779	**Delivery Info** C **Product Group** 67 **Weight** (lbs.) 2.50 **Weight** (Kg.) 1.14	
DMK 715/6	**228783**	391.75
28 mm Orifice 1 1/2" NPT male inlet connection, 1 1/2" NPT female outlet connection FORMERLY: 228-783	**Delivery Info** C **Product Group** 67 **Weight** (lbs.) 2.50 **Weight** (Kg.) 1.14	
DMK 715/6	**228785**	391.75
32 mm Orifice 1 ½" NPT male inlet connection, 1 ½" NPT female outlet connection. FORMERLY:	**Delivery Info** **Product Group** 67 **Weight** (lbs.) **Weight** (Kg.)	
DMK 720/6	**228787**	446.17
32 mm Orifice 2" NPT male inlet connection, 2" NPT female outlet connection FORMERLY: 228-787	**Delivery Info** C **Product Group** 67 **Weight** (lbs.) 2.50 **Weight** (Kg.) 1.14	



Description
The DUNGS DMA actuator drives CCW from 0° to 90° via a 4 - 20 mA input signal. The DMA is available in three different fixed speeds: 6, 12, and 30 seconds. The DMA has one independent, field adjustable auxiliary SPDT switch and two field adjustable end of travel switches. 4-20 mA feedback can be used to drive a slave motor (3 actuators maximum) in parallel. Maximum stroke (Y Max; span) is adjustable from 25Ý to 90Ý, and minimum stroke (Y min; zero) is adjustable from 0Ý to 75% of set span.

Application
When mounted on the DUNGS DMK butterfly control valve, the DMA is used to automatically modulate the amount of natural gas, butane, propane and/or air supplied to a gas burning piece of equipment.

Link to the Datasheet and User Manual

Harmonized Code: 85011030

Specifications

Electrical ratings	110 - 120 VAC 50-60 Hz
Power rating	Holding: max. 2.0 VA; Operation: max. 5.4 VA
Enclosure rating	NEMA Type 1
Electrical connection	Screw terminals with 1/2" NPT conduit connection
Operation time	100 % duty cycle
Ambient temperature rating	-15 °F to +120 °F (-10 °C to 50 °C)
(End of Travel) Switches (ST)	Two field adjustable switches: min and Max: limit stroke of actuator.
Auxiliary Switch (MV)	One SPDT, field adjustable switch. 1.5 A resistive, 1.5 A FLA, 9 A LRA, 120 Vac

CCW Stroke as viewed from the bottom on increasing input signal.

Model / Tech. Data	*Order No.*		List Price
MTR DMA 6C120	**267251**		710.98
6 Second; 90 deg stroke; 12 in-lb torque 120 Vac (+10%/-15%) 50-60 Hz; 20 VA; NEMA Type 1 Replaces: 46050-1		**Delivery Info** B **Product Group** 68 **Weight** (lbs.) 1.21 **Weight** (Kg.) 0.55	
MTR DMA 12C120	**267252**		710.98
12 Second; 90 deg stroke; 25 in-lb torque 120 Vac (+10%/-15%) 50-60 Hz; 20 VA; NEMA Type 1 Replaces: 46050-2		**Delivery Info** B **Product Group** 68 **Weight** (lbs.) 1.21 **Weight** (Kg.) 0.55	
MTR DMA 30C120	**267253**		710.98
30 Second; 90 deg stroke; 27 in-lb torque 120 Vac (+10%/-15%) 50-60 Hz; 20 VA; NEMA Type 1 Replaces: 46050-3		**Delivery Info** B **Product Group** 68 **Weight** (lbs.) 1.21 **Weight** (Kg.) 0.55	



DUNGS®
Combustion Controls

MPA 41xx Flame Safeguard

Product	Model	Page
MPA 41xx Flame Safeguard UV Scanner & Shutter Assemblies	US/EU	94.1
MPA 41xx Flame Safeguard	US/EU	95.1
Accessories & Components MPA 41xx Flame Safeguard	US/EU	96.1
MPA 41xxPF Flame Safeguard	US/EU	97.1



Description
The DUNGS UV 4x ultraviolet flame detectors can be used with the MPA 41xx flame safeguard for intermittent operation of single-stage atmospheric or forced draft burners. The UV 4x flame detectors can also be used with the UV 4x-EM 1/1 self-check shutter module assembly for continuous operation applications.

Model Notes
UV 41: Ultraviolet flame detector, ionization output (flame 1 MPA 41xx; 0-33 ft. wiring length)
UV 41HE: Ultraviolet flame detector, ionization output, high sensitivity (flame 1 MPA 41xx, 0-33 ft. wiring length)
UV 42: Ultraviolet flame detector, switching output (flame 2 MPA 41xx; 34-328 ft. wiring length)

Link to the Datasheet

Harmonized Code:

Technical Data

Models	UV 41, UV 41HE, UV 42
Enclosure rating	IP 54
Electrical ratings (+10% / -15%)	230 Vac/50 - 60 Hz
Ambient temperature ratings	-40 °F to +140 °F (-40 °C to +60 °C) -40 °F to +176 °F (-40 °C to +80 °C) with reduced lifetime of UV tube

Model / Tech. Data	*Order No.*		List Price
UV 41 UV Scanner Assembly	**269926**		483.58
UV 41 flame detector with UV 4x EM 1/8 adapter 1/2" NPT connection, 1/4" NPT cooling port, lens, 0-33 ft. wiring length		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 41 UV Scanner Assembly	**269927**		442.14
UV 41 flame detector with UV 4x EM 1/9 adapter 1/2" NPT connection, 1/4" NPT cooling port, 0-33 ft. wiring length		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 41 UV Scanner Assembly	**273004**		483.58
UV 41 flame detector with UV 4x EM 1/5 adapter 3/4" G connection, 1/8" G cooling port, lens, 0-33 ft. wiring length		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	

Model / Tech. Data	Order No.	List Price
UV 41 UV Scanner Assembly	**273005**	442.14
UV 41 flame detector with UV 4x EM 1/7 adapter 3/4" G connection, 1/8" G cooling port, 0-33 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 41HE UV Scanner Assembly	**269442**	483.58
UV 41HE flame detector with UV 4x EM 1/8 adapter 1/2" NPT connection, 1/4" NPT cooling port, lens, high sensitivity, 0-33 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 41HE UV Scanner Assembly	**269924**	442.14
UV 41HE flame detector with UV 4x EM 1/9 adapter 1/2" NPT connection, 1/4" NPT cooling port, high sensitivity, 0-33 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 41HE UV Scanner Assembly	**271478**	483.58
UV 41HE flame detector with UV 4x EM 1/5 adapter 3/4" G connection, 1/8" G cooling port, lens, high sensitivity, 0-33 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 41HE UV Scanner Assembly	**271479**	442.14
UV 41HE flame detector with UV 4x EM 1/7 adapter, 3/4" G connection, 1/8" G cooling port, high sensitivity, 0-33 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) **Weight** (Kg.)	
UV 42 UV Scanner Assembly	**269928**	483.58
UV 42 flame detector with UV 4x EM 1/8 adapter, 1/2" NPT connection, 1/4" NPT cooling port, lens, 34-328 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 42 UV Scanner Assembly	**269929**	442.14
UV 42 flame detector with UV 4x EM 1/9 adapter 1/2" NPT connection, 1/4" NPT cooling port, 34-328 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 42 UV Scanner Assembly	**271569**	483.58
UV 42 flame detector with UV 4x EM 1/5 adapter 3/4" G connection, 1/8" G cooling port, lens, 34-328 ft. wiring length	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	

Model / Tech. Data	*Order No.*	List Price
UV 42 UV Scanner Assembly	**271570**	442.14

UV 42 flame detector with UV 4x EM 1/7 adapter 3/4" G connection, 1/8" G cooling port, 34-328 ft. wiring length

Delivery Info	NP
Product Group	31
Weight (lbs.)	1.00
Weight (Kg.)	0.45



Description
The DUNGS MPA 41xx flame safeguard is a microprocessor-controlled automatic gas burner control for intermittent and continuous operation of single-stage atmospheric or forced draft burners.

Application
The MPA 41xx is suited for commercial and industrial heat processes requiring a safety rated automatic burner controller.

Link to the Datasheet

Harmonized Code:

Technical Data

Models	MPA 4111, MPA 4112, MPA 4122
Enclosure rating	IP 42, IP 54, IP 65
Electrical ratings (+10% / -15%)	115 Vac/50 - 60 Hz
Ambient temperature ratings	230 Vac/50 - 60 Hz
	-40 °F to +158 °F (-40 °C to +70 °C)
	-4 °F to +140 °F (-20 °C to +60 °C) UL approval

Model / Tech. Data	*Order No.*		List Price
MPA 4111 Flame Safeguard	**269641**		677.57
115 Vac (+10%/-15%) 50-60 Hz, IP 42 51+ Includes programming		**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4111 Flame Safeguard	**269642**		677.57
230 Vac (+10%/-15%) 50-60 Hz, IP 42 51+ Includes programming		**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4111 Flame Safeguard	**269643**		1,534.21
115 Vac (+10%/-15%) 50-60 Hz, IP 42 51+ Modbus/Profibus communications and self-check shutter control (EM 2/4) Includes programming		**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	

Model / Tech. Data	Order No.	List Price
MPA 4111 Flame Safeguard	**269644**	1,534.21
230 Vac (+10%/-15%) 50-60 Hz, IP 42 51+ Modbus/Profibus communications and self-check shutter control (EM 2/4) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4112 Flame Safeguard	**269645**	814.63
115 Vac (+10%/-15%) 50-60 Hz, IP 54 51+ Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4112 Flame Safeguard	**269646**	814.63
230 Vac (+10%/-15%) 50-60 Hz, IP 54 51+ Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4112 Flame Safeguard	**269647**	1,671.28
115 Vac (+10%/-15%) 50-60 Hz, IP 54 51+ Modbus/Profibus communications and self-check shutter control (EM 2/4) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4112 Flame Safeguard	**269648**	1,671.28
230 Vac (+10%/-15%) 50-60 Hz, IP 54 51+ Modbus/Profibus communications and self-check shutter control (EM 2/4) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4112 Flame Safeguard	**269650**	1,781.81
115 Vac (+10%/-15%) 50-60 Hz, IP 54 Modbus/Profibus communications, self-check shutter control and modulation (EM 2/6: 4-20 mA, 0-10 VDC, PWM) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4112 Flame Safeguard	**269651**	1,781.81
230 Vac (+10%/-15%) 50-60 Hz, IP 54 Modbus/Profibus communications, self-check shutter control and modulation (EM 2/6: 4-20 mA, 0-10 VDC, PWM) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 1.81 **Weight** (Kg.) 0.82	
MPA 4122 Flame Safeguard	**270201**	1,601.64
115 Vac (+10%/-15%) 50-60 Hz, IP 65 Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 4.85 **Weight** (Kg.) 2.20	

Model / Tech. Data	Order No.	List Price
MPA 4122 Flame Safeguard 230 Vac (+10%/-15%) 50-60 Hz, IP 65 Includes programming	**270202** **Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 4.85 **Weight** (Kg.) 2.20	1,601.64
MPA 4122 Flame Safeguard 115 Vac (+10%/-15%) 50-60 Hz, IP 65 Modbus/Profibus communications and self-check shutter control (EM 2/4) Includes programming	**270131** **Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 4.85 **Weight** (Kg.) 2.20	2,458.27
MPA 4122 Flame Safeguard 230 Vac (+10%/-15%) 50-60 Hz, IP 65 Modbus/Profibus communications and self-check shutter control (EM 2/4) Includes programming	**270130** **Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 4.85 **Weight** (Kg.) 2.20	2,458.27
MPA 4122 Flame Safeguard 115 Vac (+10%/-15%) 50-60 Hz, IP 65 Modbus/Profibus communications, self-check shutter control and modulation (EM 2/6: 4-20 mA, 0-10 VDC, PWM) Includes programming	**270133** **Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 4.85 **Weight** (Kg.) 2.20	2,320.11
MPA 4122 Flame Safeguard 230 Vac (+10%/-15%) 50-60 Hz, IP 65 Modbus/Profibus communications, self-check shutter control and modulation (EM 2/6: 4-20 mA, 0-10 VDC, PWM) Includes programming	**270132** **Delivery Info** NP **Product Group** 30 **Weight** (lbs.) 4.85 **Weight** (Kg.) 2.20	2,320.11



Description
These components can be ordered in addition to the MPA 41xx flame safeguard and UV scanner assemblies.

The DUNGS FLW 41I is required for dual flame rod applications. In addition, an MPA 41xx with self-check shutter control is required for continuous operation dual flame rod applications

Link to the Datasheet

Harmonized Code: Varies

Model / Tech. Data	*Order No.*		List Price
UV 41 UV Scanner	**256692**		359.24
UV 41 flame detector		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.49 **Weight** (Kg.) 0.22	
UV 41HE UV Scanner	**260575**		359.24
UV 41HE flame detector		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.49 **Weight** (Kg.) 0.22	
UV 42 UV Scanner	**258385**		359.24
UV 42 flame detector		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.49 **Weight** (Kg.) 0.22	

Model / Tech. Data	Order No.		List Price
UV 4x-EM 1/1 Shutter Assembly	**270129**		1,658.01
Self-check shutter module assembly		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
UV 4x EM 1/5 Adapter	**260225**		276.34
Flame detector and self-check shutter module adapter, 3/4" G connection, 1/8" G cooling port, lens		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.26 **Weight** (Kg.) 0.12	
UV 4x EM 1/7 Adapter	**260223**		165.80
Flame detector and self-check shutter module adapter, 3/4" G connection, 1/8" G cooling port		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.26 **Weight** (Kg.) 0.12	
UV 4x EM 1/8 Adapter	**260831**		248.71
Flame detector and self-check shutter module adapter, 1/2" NPT connection, 1/4" NPT cooling port, lens		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.35 **Weight** (Kg.) 0.16	
UV 4x EM 1/9 Adapter	**260832**		165.80
Flame detector and self-check shutter module adapter, 1/2" NPT connection, 1/4" NPT cooling port		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.35 **Weight** (Kg.) 0.16	
FLW 41I Flame Rod Module	**258396**		552.67
230 Vac (+10%/-15%) 50-60 Hz, IP 54 Dual flame rod module, intermittent or continuous operation		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.10 **Weight** (Kg.) 0.50	
MPA 41xx Base	**261413**		138.17
Wiring and mounting base, MPA 4111 & MPA 4112		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
MPA 41xx WB Base	**260903**		248.71
Wiring and mounting base, MPA 4112 with modulation (EM 2/6)		**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) 1.63 **Weight** (Kg.) 0.74	

Model / Tech. Data	*Order No.*	List Price
Cable Gland Set	**259861**	55.27
Cable gland set, MPA 4122	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) **Weight** (Kg.)	
M12-5 Connector, Female	**270339**	20.61
M12-5 Field Attachable Connector, Male (Modbus/Profibus connection)	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) **Weight** (Kg.)	
M12-5 Connector, Male	**273489**	20.61
M12-5 Field Attachable Connector, Male (Modbus/Profibus connection)	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) **Weight** (Kg.)	
M12-5 Cable, Female	**273481**	59.58
M12-5 Cable,1 Meter, Female (Modbus/Profibus connection)	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) **Weight** (Kg.)	
M12-5 Cable, Male	**273509**	59.58
M12-5 Cable, 1 Meter, Male (Modbus/Profibus connection)	**Delivery Info** NP **Product Group** 31 **Weight** (lbs.) **Weight** (Kg.)	



Description
The DUNGS MPA 41xxPF flame safeguard is a microprocessor-controlled automatic gas burner
control for intermittent operation of single-stage atmospheric or forced draft burners.

Application
The MPA 41xxPF is best suited for commercial and industrial heat processes requiring a safety rated automatic burner controller. The safety outputs are rated for 2.5 million switching cycles. Additionally, the MPA 41xxPF has a SIL 3 rating for high temperature bypass and flameless combustion applications.

Link to Manual

Harmonized Code: 8537.10.907

Technical Data

Models	MPA 4112, MPA 4122
Enclosure rating	IP 42, IP 54, IP 65
Electrical ratings (+10% / -15%)	115 Vac/50 - 60 Hz
	230 Vac/50 - 60 Hz
Ambient temperature ratings	-40 °F to +158 °F (-40 °C to +70 °C)
	-4 °F to +140 °F (-20 °C to +60 °C) UL approval

Model / Tech. Data	Order No.		List Price
MPA 4112PF Flame Safeguard	**290030**		875.95
115 Vac (+10%/-15%) 50-60 Hz, IP 54 Includes programming		**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	
MPA 4112PF Flame Safeguard	**290032**		875.95
230 Vac (+10%/-15%) 50-60 Hz, IP 54 Includes programming		**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	
MPA 4112PF Flame Safeguard	**290033**		1,797.07
115 Vac (+10%/-15%) 50-60 Hz, IP 54 Modbus/Profibus communications (EM 2/4) Includes programming		**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
MPA 4112PF Flame Safeguard	**290034**	1,797.07
230 Vac (+10%/-15%) 50-60 Hz, IP 54 Modbus/Profibus communications (EM 2/4) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	
MPA 4122PF Flame Safeguard	**290035**	1,722.19
115 Vac (+10%/-15%) 50-60 Hz, IP 65 Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	
MPA 4122PF Flame Safeguard	**290036**	1,722.19
230 Vac (+10%/-15%) 50-60 Hz, IP 65 Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	
MPA 4122PF Flame Safeguard	**290037**	2,643.31
115 Vac (+10%/-15%) 50-60 Hz, IP 65 Modbus/Profibus (EM 2/4) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	
MPA 4122PF Flame Safeguard	**290038**	2,643.31
230 Vac (+10%/-15%) 50-60 Hz, IP 65 Modbus/Profibus communications (EM 2/4) Includes programming	**Delivery Info** NP **Product Group** 30 **Weight** (lbs.) **Weight** (Kg.)	

DUNGS®
Combustion Controls



Accessories

Product	Model	Page
Accessories Valve Position Indication	US/EU	100.1
Accessories Modular Valve	US/EU	101.1
Accessories Flanges	US/EU	102.1
Accessories FRS/FRI/FRG/FRNG Regulator	US/EU	103.1
Accessories FRM/SAV ∗New Product∗	US	104.1
Accessories Gas & Air Filter	US	105.1
Accessories Pressure Switch	US/EU	106.1
Accessories Replacement Coils	US/EU	107.1
Accessories Replacement Printed Circuit Boards	US/EU	108.1
Accessories Other Product	US/EU	109.1

DUNGS®
Combustion Controls



Description
The DUNGS CPI 400 (closed position indicator) visually and electrically indicates when the valve is either open or closed. The CPI 400 is suitable for making and/or breaking a circuit when the valve position changes.

The DUNGS Visual Indicator visually indicates when the valve is either open or closed.

The DUNGS K01/1 electrically indicates when the valve is either open or closed. The K01/1 is suitable for making and/or breaking a circuit when the valve position changes.

The CPI 400, Visual Indicator, and K01/1 mount directly to DUNGS automatic shutoff valves.

Link to the Datasheet

Harmonized Code: 90262090

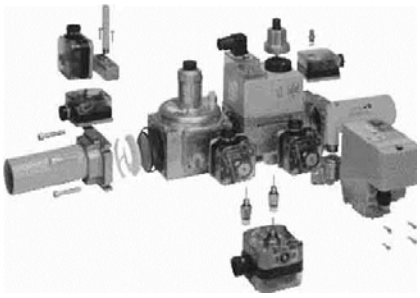
Code requirements vary. FM requires visual indication on 1" and larger safety valves. The visual indicator (VI), or the CPI 400 (266968 and 273450) meet this requirement.

European code requirements for position indication vary. The DUNGS K01 (266893) switch meets EN1531 and EN 161 code requirements for closed position signal contact.

Model / Tech. Data	*Order No.*			List Price
VISUAL INDICATOR	**266949**			29.42
Visual Indicator UL Recognized, CSA Certified and FM Approved FORMERLY: 217-665A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 0.30 0.14	
VISUAL INDICATOR, Stainless	**273963**			87.75
Stainless Steel Visual Indicator UL Recognized, CSA Certified and FM Approved		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.30 0.14	
CPI 400	**266968**			159.84
Interlock Switch with Visual Indication Polycarbonate Housing SPDT SW, 10A Res / 8A FLA @ 120 Vac; NEMA Type 4; UL Recognized, CSA Certified and FM Approved FORMERLY: 224-253A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 0.90 0.41	

Model / Tech. Data	Order No.			List Price
CPI 400 - 24 VDC	**273450**			190.54
Interlock Switch with Visual Indication Polycarbonate Housing SPDT SW, 10A Res / 8A FLA @ 24 VDC; NEMA Type 4; UL Recognized, CSA Certified and FM Approved		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.90	
		Weight (Kg.)	0.41	
CPI 400 w/SS Plunger	**274058**			296.02
Interlock Switch with Visual Indication with Stainless Steel Plunger. Polycarbonate Housing SPDT SW, 10A Res / 8A FLA @ 24 VDC; NEMA Type 4; UL Recognized, CSA Certified and FM Approved		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.90	
		Weight (Kg.)	0.41	
Plunger CPI 400	**224417**			61.25
Brass Plunger for CPI 400 FORMERLY: 224-417		**Delivery Info**	A	
		Product Group	19	
		Weight (lbs.)	0.02	
		Weight (Kg.)	0.01	
Plunger CPI 400, Stainless Steel	**273965**			110.38
Stainless Steel Plunger CPI 400		**Delivery Info**	NP	
		Product Group	19	
		Weight (lbs.)	0.02	
		Weight (Kg.)	0.01	
K01/1 IP54	**266893**			96.94
G 1/8" thread connection SPDT, 5A Res / 3A FLA @ 250 Vac IP 54; CE FORMERLY: 211-202A		**Delivery Info**	A	
		Product Group	19	
		Weight (lbs.)	0.50	
		Weight (Kg.)	0.23	
K01/1 obsolete use CPI 400	**266896**			
G 1/8" thread connection SPDT, 5A Res / 3A FLA @ 250 Vac IP 65; CE FORMERLY: 214-908A		**Delivery Info**	O	**PRICE ON REQUEST**
		Product Group	19	
		Weight (lbs.)	0.50	
		Weight (Kg.)	0.23	

DUNGS®
Combustion Controls



Description

The DUNGS DMV is the main component of the DUNGS Modular Gas System may comprised of:

1 DMV combines two Automatic shutoff Valves in one housing
2 Flanges 1/2" to 2" NPT/Rp threaded
3 FRI Pressure Regulator with built in 50 micron Filter
4 GML manual reset Low Gas Pressure Switch
5 GMH manual reset High Gas Pressure Switch
6 GAO automatic reset High or Low Gas Pressure Switch
7 Visual Indicator
8 CPI 400 Closed Position Indicator Switch
9 Pilot Line Connector
10 VPS 504 Valve Proving System

Harmonized Code: Various

Refer to selection guide for technical specifics

Model / Tech. Data	*Order No.*		List Price
MOUNTING KIT DMV to FRI	**219967**		46.05
Mounting Kit for FRI 705/707 to DMV 701/507 Body; Includes 4 bolts and 1 O-rings; packaged with FRI FORMERLY: 219-967		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
MOUNTING KIT DMV to FRI	**219968**		52.41
Mounting Kit for FRI 710/712 to DMV 702/703, 510/ 512 Body; Includes 4 mounting bolts and 1 O-ring packaged with FRI FORMERLY: 219-968		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Stand-alone mounting kit FRI	**224093**		52.41
Mounting Kit for FRI 705/707; Includes 8 mounting bolts and 2 O-rings; packaged with FRI. FORMERLY: 224-093		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

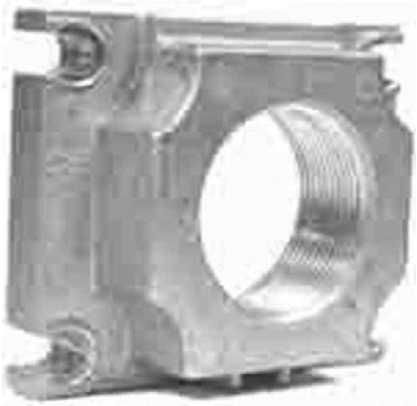
Model / Tech. Data	Order No.		List Price
Stand-alone Mounting kit FRI	**224094**		52.41
Mounting Kit for FRI 710,/712; Includes 16 mounting bolts and 2 O-rings; packaged with FRI. FORMERLY: 224-094		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Burkert Connector (DMV/MBE/SV)	**253731**		64.29
4 Pins, black May Allow for the UL Recognized DMV valve to replace a UL Listed valve. Such a substitution is typically required for equipment UL Listed to UL 795. FORMERLY: 253-731		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
DIN Connector for DMV	**210319**		11.83
4 Pins, black Used with DMV/MBE modular valves; Order and Price separately. FORMERLY: 210-319		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
M20 Conduit Adapter	**240671**		13.15
M 20 to 1/2“ NPT 65 in-lb Max Torque; used with DIN connector (210319) Order and Price separately. FORMERLY: 240-671		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
PG 11 CONDUIT ADAPTOR	**220566**		13.15
1/2“ NPT 65 in-lb Max Torque FORMERLY: 220-566		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Assembly Fee	**269434**		
See Gas Train Section Page 140.1		**Delivery Info** **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
1/2” Flange adapter for Port 2	**225043**		65.36
1/2“ NPT Accesses port 2 of the DMV for pilot use; G1/8” tap on port 1 FORMERLY: 225-043		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.70 **Weight** (Kg.) 0.32	
Adapter for A2 (PORT 3)	**273777**		40.69
For mounting the high pressure switch on the side of the DMV Allows the A2 pressure switch to monitor pressure downstream of valve 2. (on port 3) side of valve FORMERLY: 214975		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.			List Price
1/4" NPT Adapter	**225047**			39.64
1/4" NPT Used to mount accessories to various ports on the DMV system; Also includes G1/8" accessory tap FORMERLY: 225-047		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 0.70 0.32	
Vent Line Adapter	**243760**			128.77
1" NPT female connection Provides a vent line connection between the two automatic shutoff valves. Field installable accessory for DMV 525; 704 & ISO Flanged DMV's FORMERLY: 243-760		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 2.00 0.91	
Vent Line Kit	**267541**			1,995.35
Vent Line Kit 24VDC For the DMV704/525-5125, includes LGV 507, K01 & 3/4" Pipe. Wiring not included. FORMERLY: 50252		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 8.60 3.90	
Test Nipple	**219008**			8.47
G 1/8" May be used on any G1/8" pressure tap FORMERLY: 219-008		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 0.50 0.23	
Test Nipple	**267014**			8.47
G 1/4" May be used on any G1/4" pressure tap FORMERLY: 230-398A		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 0.50 0.23	
Cable Gland PG 11 Black	**268347**			8.49
UL/CE IP66 Used With 268348 Replaces 070565 FORMERLY: 60042		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	 19 0.05 0.02	
Lock-up Nut For Cable Gland	**268348**			1.87
PG-11 UL/CE IP66 Used With 268347 FORMERLY: 60043		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	 19 0.01 0.00	
Knock out plug	**220798**			
PG 13.5 May be used on any PG 13.5 electrical connection FORMERLY: 220-798		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 19 0.10 0.05	**PRICE ON REQUEST**

Model / Tech. Data	Order No.		List Price
Flange Adapter Set	**225132**		78.37
2 x 1/4“ NPT		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
VPS ADAPTER PLATE	**205360**		118.61
1/4" compression fitting Allows the VPS (221-073) to be used with MVD series automatic shutoff valves FORMERLY: 205-360		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
VPS Mounting Kit	**243801**		
2 filters, 2 o-rings, 4 mtg screws FORMERLY: 205-360		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	**PRICE ON REQUEST**
VPS mounting screws	**221356**		13.44
4 per package FORMERLY: 221-356		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Screw; M5 x 14	**245044**		3.47
Fits SV (DLE) 1005 & 1007 body; Sold individually FORMERLY: 245-044		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Screw; M6 x 25	**245046**		3.59
Fits SV (DLE) 1010 & 1012 body; Sold individually FORMERLY: 245-046		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Screw; M8 x 35	**245048**		3.75
Fits SV (DLE) 1015 & 1020 body; Sold individually FORMERLY: 245-048		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
O-Ring; 34.00 x 2.00	**243096**		
Fits SV (DLE) 1005 & 1007 body. FORMERLY: 243-096		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**

Model / Tech. Data	Order No.	List Price
O-Ring; 57.00 x 3.00	**230443**	15.19
Fits DMV 701 SV (DLE) 1010 & 1012 body; 2 per pack FORMERLY: 230-443	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
O-Ring; 75.00 x 3.50	**230444**	15.19
Fits DMV 702/703 SV (DLE) 1015 & 1020 body; 2 per pack FORMERLY: 230-444	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
O-Ring; DMV 704/525	**231574**	16.60
Fits DMV 704/525; 2 per pack Hexagon Seal FORMERLY: 247-863	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
DMV 525 Filter/Sieve	**247547**	28.86
Fits DMV 525	**Delivery Info** **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
DMV DN 65 Filter/Sieve	**231595**	32.98
Fits DMV 5065	**Delivery Info** **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
DMV DN 80 Filter/Sieve	**231596**	32.98
Fits DMV 5080	**Delivery Info** **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
DMV DN 100 Filter/Sieve	**231597**	32.98
Fits DMV 5100	**Delivery Info** **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
DMV DN 125 Filter/Sieve	**231598**	32.98
Fits DMV 5125	**Delivery Info** **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

DUNGS®
Combustion Controls



Description

- Flanges for the DUNGS dual modular valve system and FRI regulators
  1/8” BSP tap on every flange

Harmonized Code: 84814090

Must be ordered and priced individually

Model / Tech. Data	*Order No.*		List Price
1/2” NPT Flange	**222371**		40.05
1/2“ NPT for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 222-371		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
3/4” NPT Flange	**222368**		40.05
3/4“ NPT for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 222-368		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
1” NPT Flange	**221999**		40.05
1“ NPT for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 221-999		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
1 1/4" NPT Flange	**231718**	40.05
1 1/4" NPT for DMV 701/507 Body & FRI 705/707 Body	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
1 1/2" NPT Flange	**244021**	40.05
1 1/2" NPT for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 244-021	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
1" NPT Flange	**222369**	40.05
1" NPT for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 222-369	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
1 1/4" NPT Flange	**222370**	40.05
1 1/4" NPT for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 222-370	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
1 1/2" NPT Flange	**222003**	40.05
1 1/2" NPT for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 222-003	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
2" NPT Flange	**221997**	40.05
2" NPT for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 221-997	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
2" NPT Flange	**232407**	58.04
2" NPT for DMV 525 704/6x4 Body FORMERLY: 232-407	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Rp 3/8" Flange	**217471**	43.96
3/8" BFPF for DMV 503/11 FORMERLY: 217-471	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Rp 1/2" Flange	**222341**	43.96
Rp 1/2 for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 222-341	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Rp 3/4" Flange	**222342**	43.96
Rp 3/4 for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 222-342	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Rp 1" Flange	**222001**	43.96
Rp 1 for DMV 701/507 Body & FRI 705/707 Body FORMERLY: 222-001	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Rp 1" Flange	**222343**	43.96
Rp 1 for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 222-343	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
Rp 1 1/4" Flange	**222344**	43.96
Rp 1 1/4 for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 222-344	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
Rp 1 1/2" Flange	**221884**	43.96
Rp 1 1/2 for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 221-884	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
Rp 2" Flange	**221926**	43.96
Rp 2 for DMV 702/703/512/520 Body & FRI 710/712 Body FORMERLY: 221-926	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.80 **Weight** (Kg.) 0.36	
Rp 2" Flange	**215384**	63.81
Rp 2 for DMV 525 704/6x4 Body FORMERLY: 215-384	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	

Model / Tech. Data	Order No.	List Price
1/2" NPT Flange Kit	**242650**	47.53
1/2" NPT for SV 1005/1007 small body; Includes flange, O-ring & mounting screws FORMERLY: 242-650	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
3/4" NPT Flange Kit	**242651**	47.53
3/4" NPT for SV 1005/1007 small body; Includes flange, O-ring & mounting screws FORMERLY: 242-651	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
1/2" NPT Flange Kit	**242653**	47.53
1/2" NPT for SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-653	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
3/4" NPT Flange Kit	**242654**	47.53
3/4" NPT for SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-654	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
1" NPT Flange Kit	**242655**	49.90
1" NPT for SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-655	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
1 1/4" NPT Flange Kit	**242656**	49.90
1 1/4" NPT for SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-656	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
1 1/2" NPT Flange Kit	**245563**	49.90
1 1/2" NPT for SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 245-563	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
1" NPT Flange Kit	**242657**	53.77
1" NPT for SV 1015/1020 large body; Includes flange, O-ring & mounting screws FORMERLY: 242-657	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	

Model / Tech. Data	Order No.	List Price
1 1/4" NPT Flange Kit	**242658**	53.77
1 1/4" NPT for SV 1015/1020 large body; Includes flange, O-ring & mounting screws FORMERLY: 242-658	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
1 1/2" NPT Flange Kit	**242659**	53.77
1 1/2" NPT for SV 1015/1020 large body; Includes flange, O-ring & mounting screws FORMERLY: 242-659	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
2" NPT Flange Kit	**242660**	53.77
2" NPT for SV 1015/1020 large body; Includes flange, O-ring & mounting screws FORMERLY: 242-660	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
Rp 1/2" Flange Kit	**242220**	29.18
Rp 1/2 for SV 505/507 and SV 1005/1007 small body; Includes flange, O-ring & mounting screws FORMERLY: 242-220	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Rp 3/4" Flange Kit	**242221**	29.18
Rp 3/4 for SV 505/507 and SV 1005/1007 small body; Includes flange, O-ring & mounting screws FORMERLY: 242-221	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Rp 1/2" Flange Kit	**242223**	53.22
Rp 1/2" for SV 510/515 and SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-223	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
Rp 3/4" Flange Kit	**242224**	57.50
Rp 3/4 for SV 510/515 and SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-224	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
Rp 1" Flange Kit	**242225**	57.50
Rp 1 for SV 510/515 and SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-225	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	

Model / Tech. Data	Order No.	List Price
Rp 1 1/4" Flange Kit	**242226**	53.22
Rp 1 1/4 for SV 510/515 and SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 242-226	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
Rp 1 1/2" Flange Kit	**243817**	57.50
Rp 1 1/2 for SV 510/515 and SV 1010/1012 medium body; Includes flange, O-ring & mounting screws FORMERLY: 243-817	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
Rp 1 1/2" Flange Kit	**242229**	61.98
Rp 1 1/2 for SV 520 and SV1015/1020 large body; Includes flange, O-ring & mounting screws FORMERLY: 242-229	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
Rp 2" Flange Kit	**242230**	61.98
Rp 2 for SV 520 and SV1015/1020 large body; Includes flange, O-ring & mounting screws FORMERLY: 242-230	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 2.00 **Weight** (Kg.) 0.91	
DN. 40 Weld Neck Flange	**227137**	50.77
DN. 40 (1 1/2" pipe size) Raised Face Requires four [4] M16x55 stud kits (135930) & one [1] DN. 40 seal (267463) per connection. FORMERLY: 227-137	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 4.10 **Weight** (Kg.) 1.86	
DN. 50 Weld Neck Flange	**227138**	62.74
DN. 50 (2" pipe size) Raised Face Requires four [4] M16x55 stud kits (135930) & one [1] DN. 50 seal (267464) per connection. FORMERLY: 227-138	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.50 **Weight** (Kg.) 2.50	
DN. 65 Weld Neck Flange	**227139**	70.51
DN. 65 (2 1/2" pipe size) Raised Face Requires four [4] M16x65 stud kits (135930) & one [1] DN. 65 seal (267465) per connection. FORMERLY: 227-139	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 6.40 **Weight** (Kg.) 2.91	
DN. 80 Weld Neck Flange	**227140**	88.55
DN. 80 (3" pipe size) Raised Face Requires eight [8] M16x65 stud kits (135930) & one [1] DN. 80 seal (267466) per connection. FORMERLY: 227-140	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 8.60 **Weight** (Kg.) 3.90	

Model / Tech. Data	Order No.	List Price
DN. 100 Weld Neck Flange	**227141**	94.09
DN. 100 (4” pipe size) Raised Face Requires eight [8] M16x65 stud kits (135930) & one [1] DN. 100 seal (267467) per connection. FORMERLY: 227-141	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 9.90 **Weight** (Kg.) 4.49	
DN. 125 Weld Neck Flange	**227142**	138.36
DN. 125 (5” pipe size) Raised Face Requires eight [8] M16x75 stud kits (148830) & one [1] DN. 125 seal (267468) per connection. FORMERLY: 227-142	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 13.50 **Weight** (Kg.) 6.13	
DN. 150 Weld Neck Flange	**227143**	206.80
DN. 150 (6” pipe size) Raised Face Requires eight [8] M20x80 stud kits (135950) & one [1] DN. 150 seal (267469) per connection. FORMERLY: 227-143	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 16.60 **Weight** (Kg.) 7.54	
DN. 200 Weld Neck Flange	**227144**	274.17
DN. 200 (8” pipe size) Raised Face Requires tweleve [12] M20x90 stud kits (135960) & one [1] DN. 200 seal 267470) per connection. FORMERLY: 227-144	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 21.70 **Weight** (Kg.) 9.85	
DN. 65 Weld Neck to NPT	**243690**	326.27
DN. 65 (2 1/2” pipe size) to 2 1/2” NPT threaded connection Raised Face Weld Neck to NPT / weld Requires four [4] M16x65 stud kits (135930) & one [1] DN. 65 seal (267465) per connection. FORMERLY: 243-690	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 6.80 **Weight** (Kg.) 3.09	
DN. 80 Weld Neck to NPT	**243219**	390.86
DN. 80 (3” pipe size) to 3” NPT threaded connection Raised Face Weld Neck to NPT / weld Requires eight [8] M16x65 stud kits (135930) & one [1] DN. 80 seal (267466) per connection. FORMERLY: 243-219	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 7.90 **Weight** (Kg.) 3.59	
DN. 40 Seal	**267463**	11.50
DN. 40 (1 1/2” pipe size) 1 piece FORMERLY: 50157	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
DN. 50 Seal	**267464**	12.29
DN. 50 (2” pipe size) 1 piece FORMERLY: 50158	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.			List Price
DN. 65 Seal	**267465**			14.37
DN. 65 (2 1/2" pipe size) 1 piece FORMERLY: 50159		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19	
DN. 80 Seal	**267466**			22.96
DN. 80 (3" pipe size) 1 piece FORMERLY: 50160		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19	
DN. 100 Seal	**267467**			24.67
DN. 100 (4" pipe size) 1 piece Replaces 030304 FORMERLY: 50161		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.35 0.16	
DN. 125 Seal	**267468**			31.48
DN. 125 (5" pipe size) 1 piece Replaces 030312 FORMERLY: 50162		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.50 0.23	
DN. 150 Seal	**267469**			39.07
DN. 150 (6" pipe size) 1 piece Replaces 030403 FORMERLY: 50163		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.70 0.32	
DN. 200 Seal	**267470**			54.67
DN. 200 (8" pipe size) 1 piece Replaces 231784 FORMERLY: 50164		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 1.00 0.45	
Seal DN. 50 Full Face	**267535**			13.55
Seal, Full Face DN. 50 PN16 2mm Thick BAU FORMERLY: 50246		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.30 0.14	
Seal DN. 65 Full Face	**267471**			15.81
Seal, Full Face DN. 65 PN16 2mm Thick BAU FORMERLY: 50165		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.30 0.14	

Model / Tech. Data	Order No.	List Price
Seal DN. 80 Full Face	**267472**	25.24
Seal, Full Face DN. 80 PN16 2mm Thick BAU FORMERLY: 50166	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.35 **Weight** (Kg.) 0.16	
Seal DN. 100 Full Face	**267473**	27.14
Seal, Full Face DN. 100 PN16 2mm Thick BAU FORMERLY: 50167	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.45 **Weight** (Kg.) 0.20	
Seal DN. 125 Full Face	**267651**	34.63
Seal, Full Face DN. 125 PN16 2mm Thick BAU FORMERLY: 50382	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.45 **Weight** (Kg.) 0.20	
M16x65 Stud Kit	**135930**	21.55
Fits DN. 65 - DN. 100 Includes one threaded stud, two [2] washers & two [2] nuts. FORMERLY: 135-930	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.44 **Weight** (Kg.) 0.20	
M16x75 Stud Kit	**148830**	23.16
Fits DN. 125 Includes one threaded stud, two [2] washers & two [2] nuts. FORMERLY: 148-830	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.46 **Weight** (Kg.) 0.21	
M20x80 Stud Kit	**135950**	25.17
Fits DN. 150 Includes one threaded stud, two [2] washers & two [2] nuts. FORMERLY: 135-950	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.62 **Weight** (Kg.) 0.28	
M20x90 Stud Kit	**135960**	36.94
Fits DN. 200 Includes one threaded stud, two [2] washers & two [2] nuts. FORMERLY: 135-960	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.86 **Weight** (Kg.) 0.39	
M16x50 Stud Kit	**260732**	26.15
For Z014 butterfly valve Zinc plated – 1 stud, 1 nut, 1 serrated washer DN40-DN125	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	*Order No.*	List Price
Flange NPT 1/2 straight	**244439**	38.77

FLNG GB 1/2 NPT STRAIGHT
W/ O-RING & SCREWS
FITS MBC 65

Delivery Info	B
Product Group	19
Weight (lbs.)	0.15
Weight (Kg.)	0.07

DUNGS®
Combustion Controls



Description
• Accessories and replacement parts for DUNGS gas pressure regulators.

Harmonized Code: 7320.20.502

Model / Tech. Data	*Order No.*		List Price
FRG LOWFIRE BYPASS	**225256**		113.19
Adjustable low fire bypass that field mounts to either side of the 3/8" to 2" FRG/FRNG FORMERLY: 225-256		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
FRG/FRNG AIR Impulse Line	**231944**		27.89
1/4 G to 1/4” NPT Air impulse line adapter for FRG/FRI 705, 707, 710 FORMERLY: 231-944		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
FRG/FRNG AIR Impulse Line	**231945**		29.59
1/2 G to 1/2” NPT Air impulse line adapter for FRG/FRI 712, 715, 720, 725, 730 FORMERLY: 231-945		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	

Model / Tech. Data	Order No.	List Price
Spring #1, brown	**229817**	42.29
Formerly p/n D069112 1“ to 3.6“ W.C. 2.5 to 9 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-817	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229818**	42.29
Formerly p/n D069120 2“ to 5“ W.C. 5 to 13 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-818	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229820**	42.29
Formerly p/n D069138 2.8“ to 8“ W.C. 5 to 20 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-820	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229821**	42.29
Formerly p/n D069146 4“ to 12“ W.C. 10 to 30 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-821	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229822**	42.29
Formerly p/n D069153 10“ to 22“ W.C. 25 to 55 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-822	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229823**	42.29
Formerly p/n D069161 12“ to 28“ W.C. 30 to 70 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-823	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229824**	42.29
Formerly p/n D069179 24“ to 40“ W.C. 60 to 110 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-824	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229825**	48.49
Formerly p/n D069187 40“ to 60“ W.C. 100 to 150 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-825	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #9, gray	**229826**	94.69
Formerly p/n D228226 56“ to 80“ W.C. 140 to 200 mbar FRI 705/707; FRS 705/503/505 FORMERLY: 229-826	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229833**	42.29
Formerly p/n D069195 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 707/507 FORMERLY: 229-833	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229834**	42.29
Formerly p/n D069203 2“ to 5“ W.C. 5 to 13 mbar FRS 707/507 FORMERLY: 229-834	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229835**	42.29
Formerly p/n D069211 2.8“ to 8“ W.C. 5 to 20 mbar FRS 707/507 FORMERLY: 229-835	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229836**	42.29
Formerly p/n D069229 4“ to 12“ W.C. 10 to 30 mbar FRS 707/507 FORMERLY: 229-836	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229837**	42.29
Formerly p/n D069237 10“ to 22“ W.C. 25 to 55 mbar FRS 707/507 FORMERLY: 229-837	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229838**	42.29
Formerly p/n D069245 12“ to 28“ W.C. 30 to 70 mbar FRS 707/507 FORMERLY: 229-838	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229839**	42.29
Formerly p/n D069252 24“ to 40“ W.C. 60 to 110 mbar FRS 707/507 FORMERLY: 229-839	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #8, pink	**229840**	48.49
Formerly p/n D069260 40“ to 60“ W.C. 100 to 150 mbar FRS 707/507 FORMERLY: 229-840	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**229841**	94.69
Formerly p/n D228227 56“ to 80“ W.C. 140 to 200 mbar FRS 707/507 FORMERLY: 229-841	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229842**	42.29
Formerly p/n D069278 1“ to 3.6“ W.C. 2.5 to 9 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-842	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229843**	42.29
Formerly p/n D069286 2“ to 5“ W.C. 5 to 13 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-843	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229844**	42.29
Formerly p/n D069294 2.8“ to 8“ W.C. 5 to 20 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-844	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229845**	42.29
Formerly p/n D069302 4“ to 12“ W.C. 10 to 30 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-845	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229846**	42.29
Formerly D069310 10“ to 22“ W.C. 25 to 55 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-846	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229847**	42.29
Formerly p/n D069328 12“ to 28“ W.C 30 to 70 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-847	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #7, black	**229848**	42.29
Formerly p/n D069336 24“ to 40“ W.C. 60 to 110 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-848	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229849**	48.50
Formerly p/n D069344 40“ to 60“ W.C. 100 to 150 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-849	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**229850**	94.68
Formerly p/n D223467 56“ to 80“ W.C. 140 to 200 mbar FRI 710/712; FRS 710/510 FORMERLY: 229-850	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229851**	42.29
Formerly p/n D058859 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 712/715/515/5040 FORMERLY: 229-851	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229852**	42.29
Formerly p/n D058867 2“ to 5“ W.C. 5 to 13 mbar FRS 712/715/515/5040 FORMERLY: 229-852	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229853**	42.29
Formerly p/n D058875 2.8“ to 8“ W.C. 5 to 20 mbar FRS 712/715/515/5040 FORMERLY: 229-853	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229854**	42.29
Formerly p/n D058883 4“ to 12“ W.C. 10 to 30 mbar FRS 712/715/515/5040 FORMERLY: 229-854	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229869**	42.29
Formerly p/n D058891 10“ to 22“ W.C. 25 to 55 mbar FRS 712/715/515/5040 FORMERLY: 229-869	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #6, yellow	**229870**	42.29
Formerly p/n D058909 12“ to 28“ W.C. 30 to 70 mbar FRS 712/715/515/5040 FORMERLY: 229-870	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229871**	42.29
Formerly p/n D058917 24“ to 40“ W.C. 60 to 110 mbar FRS 712/715/515/5040 FORMERLY: 229-871	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229872**	79.52
Formerly p/n D069351 40“ to 60“ W.C. 100 to 150 mbar FRS 712/715/515/5040 FORMERLY: 229-872	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**229873**	153.18
Formerly p/n D228228 56“ to 80“ W.C. 140 to 200 mbar FRS 712/715/515/5040 FORMERLY: 229-873	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229874**	79.52
Formerly p/n D058925 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 720/520/5050 FORMERLY: 229-874	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229875**	79.52
Formerly p/n D058933 2“ to 5“ W.C. 5 to 13 mbar FRS 720/520/5050 FORMERLY: 229-875	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229876**	79.52
Formerly p/n D058941 2.8“ to 8“ W.C. 5 to 20 mbar FRS 720/520/5050 FORMERLY: 229-876	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229877**	79.52
Formerly p/n D058958 4“ to 12“ W.C. 10 to 30 mbar FRS 720/520/5050 FORMERLY: 229-877	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #5, red	**229878**	79.52
Formerly p/n D058966 10“ to 22“ W.C. 25 to 55 mbar FRS 720/520/5050 FORMERLY: 229-878	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229879**	79.52
Formerly p/n D058974 12“ to 28“ W.C. 30 to 70 mbar FRS 720/520/5050 FORMERLY: 229-879	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229880**	79.52
Formerly p/n D058982 24“ to 40“ W.C. 60 to 110 mbar FRS 720/520/5050 FORMERLY: 229-880	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229881**	79.52
Formerly p/n D069369 40“ to 60“ W.C. 100 to 150 mbar FRS 720/520/5050 FORMERLY: 229-881	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**229882**	153.18
Formerly p/n D228229 56“ to 80“ W.C. 140 to 200 mbar FRS 720/520/5050 FORMERLY: 229-882	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229883**	106.10
Formerly p/n D058636 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-883	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229884**	106.10
Formerly p/n D058644 2“ to 5“ W.C. 5 to 13 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-884	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229885**	106.10
Formerly p/n D058651 2.8“ to 8“ W.C. 5 to 20 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-885	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #4, blue (Standard)	**229886**	106.10
Formerly p/n D058669 4“ to 12“ W.C. 10 to 30 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-886	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229887**	106.10
Formerly p/n D058677 10“ to 22“ W.C. 25 to 55 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-887	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229888**	106.10
Formerly p/n D058685 12“ to 28“ W.C. 30 to 70 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-888	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229889**	106.10
Formerly p/n D058693 24“ to 40“ W.C. 60 to 110 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-889	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229890**	106.10
Formerly p/n D058377 40“ to 60“ W.C. 100 to 150 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-890	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**229891**	216.11
Formerly p/n D228230 56“ to 80“ W.C. 140 to 200 mbar FRS 725/730/525/5065/5080 FORMERLY: 229-891	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229892**	106.10
Formerly p/n D083188 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 5100 FORMERLY: 229-892	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229893**	106.10
Formerly p/n D083196 2“ to 5“ W.C. 5 to 13 mbar FRS 5100 FORMERLY: 229-893	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #3, orange	**229894**	120.01
Formerly p/n D083204 2.8“ to 8“ W.C. 5 to 20 mbar FRS 5100 FORMERLY: 229-894	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229895**	120.01
Formerly p/n D083212 4“ to 12“ W.C. 10 to 30 mbar FRS 5100 FORMERLY: 229-895	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229896**	120.01
Formerly p/n D083220 10“ to 22“ W.C. 25 to 55 mbar FRS 5100 FORMERLY: 229-896	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229897**	148.54
Formerly p/n D083238 12“ to 28“ W.C. 30 to 70 mbar FRS 5100 FORMERLY: 229-897	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229898**	216.11
Formerly p/n D083246 24“ to 40“ W.C. 60 to 110 mbar FRS 5100 FORMERLY: 229-898	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229899**	216.11
Formerly p/n D083253 40“ to 60“ W.C. 100 to 150 mbar FRS 5100 FORMERLY: 229-899	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**229900**	216.11
Formerly p/n D228231 56“ to 80“ W.C. 140 to 200 mbar FRS 5100 FORMERLY: 229-900	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #1, brown	**229901**	216.11
Formerly p/n D053082 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 5125 FORMERLY: 229-901	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #2, white	**229902**	200.01
Formerly p/n D053090 2“ to 5“ W.C. 5 to 13 mbar FRS 5125 FORMERLY: 229-902	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229903**	216.11
Formerly p/n D053108 2.8“ to 8“ W.C. 5 to 20 mbar FRS 5125 FORMERLY: 229-903	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229904**	200.01
Formerly p/n D053116 4“ to 12“ W.C. 10 to 30 mbar FRS 5125 FORMERLY: 229-904	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229905**	216.11
Formerly p/n D053124 10“ to 22“ W.C. 25 to 55 mbar FRS 5125 FORMERLY: 229-905	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229906**	216.11
Formerly p/n D053132 12“ to 28“ W.C. 30 to 70 mbar FRS 5125 FORMERLY: 229-906	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229907**	216.11
Formerly p/n D053140 24“ to 40“ W.C. 60 to 110 mbar FRS 5125 FORMERLY: 229-907	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229908**	292.74
Formerly p/n D223461 40“ to 60“ W.C. 100 to 150 mbar FRS 5125 FORMERLY: 229-908	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #9, gray	**243416**	844.75
56“ to 80“ W.C. 140 to 200 mbar FRS 5125 FORMERLY: 243-416	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.	List Price
Spring #1, brown	**229909**	216.11
Formerly p/n D053157 1“ to 3.6“ W.C. 2.5 to 9 mbar FRS 5150 FORMERLY: 229-909	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #2, white	**229910**	412.56
Formerly p/n D053165 2“ to 5“ W.C. 5 to 13 mbar FRS 5150 FORMERLY: 229-910	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #3, orange	**229911**	412.56
Formerly p/n D0531733 2.8“ to 8“ W.C. 5 to 20 mbar FRS 5150 FORMERLY: 229-911	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #4, blue (Standard)	**229912**	381.82
Formerly p/n D053181 4“ to 12“ W.C. 10 to 30 mbar FRS 5150 FORMERLY: 229-912	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #5, red	**229913**	412.56
Formerly p/n D053199 10“ to 22“ W.C. 25 to 55 mbar FRS 5150 FORMERLY: 229-913	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #6, yellow	**229914**	412.56
Formerly p/n D053207 12“ to 28“ W.C. 30 to 70 mbar FRS 5150 FORMERLY: 229-914	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #7, black	**229915**	412.56
Formerly p/n D053215 24“ to 40“ W.C. 60 to 110 mbar FRS 5150 FORMERLY: 229-915	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
Spring #8, pink	**229916**	576.43
Formerly p/n D223462 40“ to 60“ W.C. 100 to 150 mbar FRS 5150 FORMERLY: 229-916	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	

Model / Tech. Data	Order No.		List Price
Spring #9, gray	**243417**		1,190.49
56“ to 80“ W.C. 140 to 200 mbar FRS 5150 FORMERLY: 243-417		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.50 **Weight** (Kg.) 0.23	
FRS 5040 Repair kit	**068924**		381.56
Fits FRS 5040/215/515/715 body; Includes all internal hardware to rebuild the control. FORMERLY: 068-924		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 1.19 **Weight** (Kg.) 0.54	
FRS 5050 Repair kit	**068932**		433.71
Fits FRS 5050/220/520/720 body; Includes all internal hardware to rebuild the control. FORMERLY: 068-932		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 2.20 **Weight** (Kg.) 1.00	
FRS 5065 Repair kit	**068940**		646.75
Fits FRS 5065/225/525/725 body; Includes all internal hardware to rebuild the control. FORMERLY: 068-940		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 3.00 **Weight** (Kg.) 1.36	
FRS 5080 Repair kit	**091868**		932.25
Fits FRS 5080/230/730 body; Includes all internal hardware to rebuild the control. FORMERLY: 091-868		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 3.04 **Weight** (Kg.) 1.38	
FRS 5100 Repair kit	**091876**		1,269.14
Fits FRS 5100 body; Includes all internal hardware to rebuild the control. FORMERLY: 091-876		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 5.29 **Weight** (Kg.) 2.40	
FRS 5125 Repair kit	**069005**		1,891.56
Fits FRS 5125 body; Includes all internal hardware to rebuild the control. FORMERLY: 069-005		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 8.00 **Weight** (Kg.) 3.63	
FRS 5150 Repair kit	**069013**		2,694.88
Fits FRS 5150 body; Includes all internal hardware to rebuild the control. FORMERLY: 069-013		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 13.00 **Weight** (Kg.) 5.90	

Model / Tech. Data	Order No.	List Price
FRG/FRNG 5050 Repair kit	**229658**	422.11
Fits FRG 520/720 and FRNG 5050 body; Includes all internal hardware to rebuild the control. FORMERLY: 229-658	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 2.20 **Weight** (Kg.) 1.00	
FRG/FRNG 5065 Repair kit	**229659**	711.68
Fits FRG/FRNG 725/5065 body; Includes all internal hardware to rebuild the control. FORMERLY: 229-659	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 3.97 **Weight** (Kg.) 1.80	
FRG/FRNG 5080 Repair kit	**229660**	1,025.56
Fits FRG/FRNG 730/5080 body; Includes all internal hardware to rebuild the control. FORMERLY: 229-660	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 4.03 **Weight** (Kg.) 1.83	
FRNG 5100 Repair kit	**229661**	1,396.34
Fits FRNG 5100 body; Includes all internal hardware to rebuild the control. FORMERLY: 229-661	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 6.61 **Weight** (Kg.) 3.00	
FRNG 5125 Repair kit	**229662**	2,089.11
Fits FRNG 5125 body; Includes all internal hardware to rebuild the control. FORMERLY: 229-662	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 11.02 **Weight** (Kg.) 5.00	
FRNG 5150 Repair kit	**229663**	2,900.91
Fits FRNG 5150 body; Includes all internal hardware to rebuild the control. FORMERLY: 229-663	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 15.87 **Weight** (Kg.) 7.20	
FRI Replacement Filter/Strainer	**230440**	29.52
23 mesh strainer 50 micron filter Fits FRI 705 and 707 body Fits DMV 701 FORMERLY: 230-440	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
FRI Replacement Filter/Strainer	**230441**	29.52
23 mesh strainer 50 micron filter Fits FRI 710 and 712 body Fits DMV 702 703 FORMERLY: 230-441	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	



Description

• Accessories and replacement parts for DUNGS FRM Regulators and SAV..

Harmonized Code: 7320.20.502

Model / Tech. Data	*Order No.*		List Price
FRM Replacement spring-Silver	**270341**		99.43
ERS.Set Spring FRM ø5,5 silver For ND: 30-40 mbar setpoint For MD: 90-110 mbar setpoint		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Green	**270345**		106.06
ERS.Set Spring FRM ø6,5 green For ND: 40-55 mbar setpoint For MD: 110-170 mbar setpoint		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Yellow	**270346**		112.69
ERS.Set Spring FRM ø7,0 yellow For ND: 55-80 mbar setpoint For MD: 170-240 mbar setpoint		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

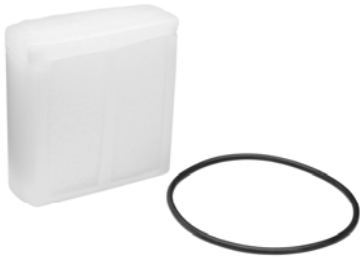
Model / Tech. Data	Order No.	List Price
FRM Replacement spring-Blue	**270347**	119.31
ERS.Set Spring FRM ø8,0 blue For ND: 80-100 mbar setpoint For MD: 240-330 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Black	**270348**	124.62
ERS.Set Spring FRM ø9,0 black For MD: 330-420 mbar setpoint For HD: 400-580 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Purple	**270349**	124.62
ERS.Set Spring FRM ø10,0 purple For HD: 560-850 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Orange	**270350**	127.27
ERS.Set Spring FRM ø11,0 orange For HD: 800-1200 mbar setpoint For UHD: 1000-1600 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Pink	**270352**	129.92
ERS.Set Spring FRM ø12,0 pink For HD: 1100-1500 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-White	**271113**	129.92
ERS.Set Spring FRM ø13,0 white For UHD: 1500-2500 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
FRM Replacement spring-Red	**271132**	178.98
ERS.Set Spring FRM ø14,0 red For UHD: 1900-3300 mbar set point	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Underpressure Replacement	**270353**	50.10
ERS.Set Spring SAV Wdsu ø1,2 white For ND: 10-32 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
SAV Underpressure Replacement	**270355**	50.10
ERS.Set Spring SAV Wdsu ø1,5 yellow For ND: 24-40 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Underpressure Replacement	**270356**	46.41
ERS.Set Spring SAV Wdsu ø2,0 blue For ND: 30-115 mbar setpoint For MD: 35-110 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Underpressure Replacement	**270357**	46.41
ERS.Set Spring SAV Wdsu ø2,3 black For MD: 50-250 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Underpressure Replacement	**270358**	46.41
ERS.Set Spring SAV Wdsu ø2,5 purple For MD: 80-400 mbar setpoint For HD: 150-500 mbar setpoint For UHD: 150-500 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Underpressure Replacement	**270359**	59.66
ERS.Set Spring SAV Wdsu ø2,8 orange For HD: 300-1000 mbar setpoint For UHD: 300-1000 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Underpressure Replacement	**270360**	59.66
ERS.Set Spring SAV Wdsu ø3,0 silver For HD: 800-1400 mbar setpoint For UHD: 800-1400 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270361**	46.41
ERS.Set Spring SAV Wdso ø2,2 silver For ND: 40-130 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270366**	46.41
ERS.Set Spring SAV Wdso ø2,5 green For ND: 60-190 mbar setpoint For MD: 180-290 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
SAV Overpressure Replacement	**270367**	46.41
ERS.Set Spring SAV Wdso ø2,7 red For ND: 90-240 mbar setpoint For MD: 230-370 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270368**	46.41
ERS.Set Spring SAV Wdso ø3,2 yellow For MD: 300-500 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270369**	46.41
ERS.Set Spring SAV Wdso ø3,5 blue For MD: 400-800 mbar setpoint For HD: 500-1000 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270370**	59.66
ERS.Set Spring SAV Wdso ø3,7 black For HD: 700-1300 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270371**	46.41
ERS.Set Spring SAV Wdso ø4,0 purple For HD: 1000-1800 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270372**	59.66
ERS.Set Spring SAV Wdso ø4,5 orange For HD: 1300-2500 mbar setpoint For UHD: 1300-2500 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**270373**	59.66
ERS.Set Spring SAV Wdso ø4,8 pink For HD: 1800-3500 mbar setpoint For UHD: 1800-3500 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
SAV Overpressure Replacement	**271115**	46.41
ERS.Set Spring SAV Wdso ø5,0 white For UHD: 2500-5000 mbar setpoint	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	*Order No.*	List Price
Repl. Kit FRM 100025 MD	**271094**	702.63
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM xxx025 HD/UHD	**271095**	722.52
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM 100040 ND	**271096**	1,047.32
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM 100040 MD	**271097**	735.78
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM xxx040 HD/UHD	**271098**	755.66
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM 100050 ND	**271099**	1,073.83
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM 100050 MD	**271100**	775.55
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Repl. Kit FRM xxx050 HD/UHD	**271101**	795.43
	Delivery Info NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Description
• Accessories and replacement parts for DUNGS gas filters.



Harmonized Code: 5911.90.008

Model / Tech. Data	*Order No.*			List Price
GF 505/507 Replacement filter	**222687**			76.10
50 micron Fits GF 505/5507 body FORMERLY: 222-687		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 0.10 0.05	
GF 510/515 Replacement filter	**222688**			82.30
50 Micron Fits GF 510/515 filter body FORMERLY: 222-688		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 0.10 0.05	
GF 520 Replacement filter	**222689**			93.62
50 Micron Fits GF 520 filter body FORMERLY: 222-689		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 0.10 0.05	

Model / Tech. Data	Order No.	List Price

GF 40040/3 Replacement Filter **222691** — 197.25

50 Micron

Fits GF 40040/3 and GF 60040/3 filter bodies

FORMERLY: 222-691

Delivery Info	C
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

GF 40050/3 Replacement Filter **222692** — 207.12

50 Micron

Fits GF 40050/3 and GF 60050/3 filter bodies
NOT for GF 40050/4

FORMERLY: 222-692

Delivery Info	B
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

GF 40050/4 Replacement Filter **257124** — 212.21

50 Micron

Fits GF 40050/4 filter body

FORMERLY: 222-692

Delivery Info	B
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

GF 40065/3 & /4 Replacement **222693** — 217.48

50 Micron

Fits GF 40065/3 and GF 60065/3 filter bodies

FORMERLY: 222-693

Delivery Info	A
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

GF 40080/3 & /4 Replacement **222694** — 288.28

50 Micron

Fits GF 40080/3 and GF 40080/3 filter bodies

FORMERLY: 222-694

Delivery Info	A
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

GF 40100/3 & /4 Replacement **222695** — 387.73

50 Micron

Fits GF 40100/3 and GF 60100/3 filter bodies
Fits GF 40100/4 and GF 60100/4 filter bodies

FORMERLY: 222-695

Delivery Info	B
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

GF 40125/3 Replacement Filter **222696** — 703.15

50 Micron

Fits GF 40125 and GF 60125 filter bodies

FORMERLY: 222-696

Delivery Info	B
Product Group	19
Weight (lbs.)	0.50
Weight (Kg.)	0.23

GF 40150 Replacement Filter Insert **222697** — 879.02

50 Micron

Fits GF 40150 and GF 60150 filter bodies

FORMERLY: 222-697

Delivery Info	C
Product Group	19
Weight (lbs.)	0.70
Weight (Kg.)	0.32

Model / Tech. Data	Order No.			List Price
GF 40200/3 Filter Insert	**222698**			1,512.37
DN 200 Fits GF 40200 and GF 60200 filter bodies FORMERLY: 222-698		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 2.07 0.94	
VF-Filter Media Replacement	**238653**			
50 micron Fits VF pre-mount filter (232440) FORMERLY: 238-653		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.10 0.05	**PRICE ON REQUEST**
VF-Filter Media Replacement	**226997**			
50 micron Fits VF pre-mount filter (226342) FORMERLY: 226-997		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.10 0.05	**PRICE ON REQUEST**
VZF Replacement Filter Insert	**229363**			284.12
Fits VZF DN. 25 filter (227153), 99.5% filtration of 2 micron particles Requires O-Ring Set (267001) FORMERLY: 229-363		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.24 0.11	
VZF Replacement Filter Insert	**229362**			440.18
Fits VZF DN. 40 filter (227154) and DN. 50 filter (227155), 99.5% filtration of 2 micron particles Requires O-Ring Set (267000) FORMERLY: 229-362		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 0.75 0.34	
VZF Replacement Filter Insert	**229361**			604.87
Standard replacement filter Fits VZF DN. 65 filter (251528) or DN. 80 filter (227156), 99.5% filtration of 2 micron particles Requires O-Ring Set (266999) FORMERLY: 229-361		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 2.00 0.91	
VZF Replacement Filter Insert	**229360**			842.36
Standard replacement filter Fits VZF DN. 100 filter (227157), 99.5% filtration of 2 micron particles Requires O-Ring Set (266998) FORMERLY: 229-360		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 2.20 1.00	
VZF Replacement Filter Insert	**229359**			1,178.68
Standard replacement filter Fits VZF DN. 125 (251529) and DN. 150 filter (227158), 99.5% filtration of 2 micron particles Requires O-Ring Set (266997) FORMERLY: 229-359		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 4.05 1.84	

Model / Tech. Data	Order No.	List Price
VZF Replacement O-Ring Set	**267001**	49.36
Fits VZF DN. 25 filter (227153) FORMERLY: 229-358A	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
VZF Replacement O-Ring Set	**267000**	56.75
Fits VZF DN. 40 filter (227154) or DN. 50 filter (227155) FORMERLY: 229-357A	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
VZF Replacement O-Ring Set	**266999**	62.56
Standard replacement O-ring Fits VZF DN. 65 (251528) or DN. 80 filter (227156) FORMERLY: 229-356A	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
VZF Replacement O-Ring Set	**266998**	68.81
Standard replacement O-ring Fits VZF DN. 100 filter (TBD) FORMERLY: 229-355A	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
VZF Replacement O-Ring Set	**266997**	91.96
Standard replacement O-ring Fits VZF DN. 150 filter (227158) Fits VZF DN. 125 filter (251529) FORMERLY: 229-354A	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	

DUNGS®
Combustion Controls



Description
• Accessories and replacement parts for DUNGS gas and air switches.

Harmonized Code: Various

Model / Tech. Data	*Order No.*			List Price
A2 Pressure switch mounting kit	**226188**			8.97
For A2 Gas Pressure Switches (GAO/GMH/GML) Contains 2 screws and 1 O-ring FORMERLY: 226-188		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 0.10 0.05	
A2 Pressure switch mounting kit	**223280**			8.97
For A2 Gas Pressure Switches (GW/NB/UB) Contains 2 screws and 1 O-ring FORMERLY: 223-280		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.02 0.01	
DIN Connector For A2/A4/A5/A6	**210318**			13.03
4 Pins, gray Also used on MBE Proof of Closure actuators that not not required to be UL Listed/CSA approved. FORMERLY: 210-318		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 0.20 0.09	

Model / Tech. Data	Order No.		List Price
Cover for AA-A1-X	**225816**		
Splash protection, NEMA 12 includes screws FORMERLY: 225-816		**Delivery Info** O **Product Group** 19 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	**PRICE ON REQUEST**
Cover for AA-C2	**228731**		
Formerly D225798 NEMA Type 4 Requires 2 screws, PN 267031, sold separately. FORMERLY: 228-731		**Delivery Info** O **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**
CPI 400 Cover	**240837**		20.72
NEMA Type 4 includes screws FORMERLY: 240-837		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Cover for pressure switch	**267181**		20.72
Cover for manual reset pressure switch GMH/GML A2/A4 NEMA Type 4 includes screws FORMERLY: 262-249A		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Screw, Switch Cover	**267031**		1.21
Single Screw FORMERLY: 237-675A		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.00 **Weight** (Kg.) 0.00	
Cover for pressure switch	**267182**		20.72
Cover for automatic reset pressure switch GAO A2/A4 NEMA Type 4 includes screws FORMERLY: 262-250A		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Neon Light 120 Vac	**231420**		18.92
Orange and Green Light Replacement light for CPI 400 FORMERLY: 231-420		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Neon Light 24 VAC/VDC	**248183**		32.97
Red and Green Light Replacement light for CPI 400 FORMERLY: 248-183		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	

Model / Tech. Data	Order No.		List Price
Neon Light 120 Vac	**244156**		17.20
Orange Light; GAO, GMH, GML FORMERLY: 244-156		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Light CPI 400 230V	**248239**		25.69
Green Light FORMERLY: 248-239		**Delivery Info** **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Neon Light 220 Vac	**231773**		20.82
Yellow Light; GW, UB, NB, GGW Also for GMH-GML-GAO FORMERLY: 231-773		**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Neon Light Vdc / 24 Vac	**244157**		13.66
Yellow LED, No Terminal Connector GAO, GML, GMH FORMERLY: 244-157		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Neon Light 24 VAC/DC	**231774**		23.04
Yellow LED light with connector terminal and screw, AA and LGW Air Switch FORMERLY: 231-774		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Neon Light 120 Vac	**231772**		18.92
Orange Light, Mounting set, AA and LGW Air Switch FORMERLY: 231-772		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
G 1/8 Straight Adapter	**083386**		**PRICE ON REQUEST**
G 1/8 Thread to barb adapter FORMERLY: 083-386		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
G 1/8 Thread to barb adapter 90	**083402**		**PRICE ON REQUEST**
G 1/8 Thread to barb adapter 90 deg FORMERLY: 083-402		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	

Model / Tech. Data	Order No.		List Price
G 1/4 Thread to barb adapter 90	**083410**		
G 1/4 Thread to barb adapter 90 deg FORMERLY: 083-410		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**
Side-by-Side Mount Kit	**213910**		10.57
Allows high/low switches to be mounted side by side while using one pressure source FORMERLY: 213-910		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
Air Duct Mount Kit	**258247**		24.74
Includes rubber hose and accessories to mount pressure sensing ports to ducting. (Klima Set) FORMERLY: 258-247		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
Metal pressure switch bracket	**270012**		21.58
Fits AA-A2; AA FORMERLY: 230-289		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
Plastic pressure switch bracket	**230301**		17.97
Fits AA-A2; AA FORMERLY: 230-301		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	
LGW test button	**224940**		
LGW test button Used to simulate pressure loss in the field (Air only) FORMERLY: 224-940		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**
Strain Relief for AA-A1	**217102**		8.36
1/2“ NPT Includes clear NEMA Type 12 cover FORMERLY: 217-102		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
Strain Relief for DIN Connector	**267356**		
M2O Fits: DMV DIN Connector CE Approved Pressure Switches FORMERLY: 50002-1		**Delivery Info** O **Product Group** 19 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*	List Price
Plug for GW/GAO	**219659**	35.25

3 pin plus ground male connector used with 210318 (DIN connector for pressure switches); Automatic reset

FORMERLY: 219-659

Delivery Info	B
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

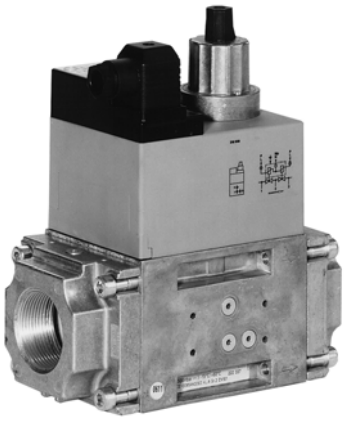
Plug for UB/NB/GMH/GML	**227644**	52.97

3 pin plus ground male connector used with 210318 (DIN connector for pressure switches); Manual reset

FORMERLY: 227-644

Delivery Info	B
Product Group	19
Weight (lbs.)	0.20
Weight (Kg.)	0.09

DUNGS®
Combustion Controls



Description
Replacement Coils

Harmonized Code:

Specifications
Contact technical support for
product specific details

Model / Tech. Data	Order No.			List Price
Mag. Type 100	**230983**			238.88
120 Vac; NEMA Type 12 Fits: MVD 505/6; MVDLE 205/6 PRODUCTION #: 216963 FORMERLY: 230-983		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 1.10 0.50	
Mag. Type 200	**230986**			373.01
120 Vac; NEMA Type 12 Fits: MVD 507/6; MVD 510/6; MVDLE 207/6; 210/6 PRODUCTION #: 216965 FORMERLY: 230-986		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 3.10 1.41	
Mag. Type 300	**230989**			457.23
120 Vac; NEMA Type 12 Fits: MVD 512/6; 515/6; MVDLE 212/6; 215/6; 220/6 PRODUCTION #: 216967 FORMERLY: 230-989		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 6.60 3.00	

Model / Tech. Data	Order No.			List Price
Mag. Type 400	**230991**			916.38
120 Vac; NEMA Type 12 Fits: MVD 520/6; MVDLE 225/6 PRODUCTION #: 216968 FORMERLY: 230-991		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 14.10 6.40	
Mag. Type 500	**230992**			1,080.32
120 Vac; NEMA Type 12 Fits: MVD 525/6; MVDLE 230/6 PRODUCTION #: 216969 FORMERLY: 230-992		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 18.20 8.26	
Mag. Type 550	**230993**			1,494.32
120 Vac; NEMA Type 12 Fits: MVD 530/6 PRODUCTION #: 216970 FORMERLY: 230-993		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 32.50 14.76	
Mag. Type 100	**240314**			
120 Vac; NEMA Type 4 Fits: MVD 505/6; MVDLE 205/6 FORMERLY: 240-314		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 19 1.10 0.50	**PRICE ON REQUEST**
Mag. Type 200	**240325**			
120 Vac; NEMA Type 4 Fits: MVD 507/6; MVD 510/6; MVDLE 207/6; 210/6 FORMERLY: 240-325		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 19 3.10 1.41	**PRICE ON REQUEST**
Mag. Type 300	**240336**			
120 Vac; NEMA Type 4 Fits: MVD 512/6; 515/6; MVDLE 212/6; 215/6; 220/6 FORMERLY: 240-336		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 6.60 3.00	**PRICE ON REQUEST**
Mag. Type 400	**240340**			
120 Vac; NEMA Type 4 Fits: MVD 520/6; MVDLE 225/6 FORMERLY: 240-340		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 14.10 6.40	**PRICE ON REQUEST**
Mag. Type 500	**240342**			
120 Vac; NEMA Type 4 Fits: MVD 525/6; MVDLE 230/6 FORMERLY: 240-342		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 18.20 8.26	**PRICE ON REQUEST**

Model / Tech. Data	Order No.			List Price
Mag. Type 550	**240344**			
120 Vac; NEMA Type 4 Fits: MVD 530/6 FORMERLY: 240-344		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 19 32.50 14.76	**PRICE ON REQUEST**
Mag. Type 100	**214206**			238.88
230 Vac; IP 54 Fits: MVD 503/5; MVD 505/5; MVDLE 503/5; LGV 507/5 PRODUCTION #: 213793 FORMERLY: 214-206		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 1.10 0.50	
Mag. Type 200	**214207**			373.01
230 Vac; IP 54 Fits: MVD 507/5; MVD 510/5; MVDLE 507/5 PRODUCTION #: 213795 FORMERLY: 214-207		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 3.10 1.41	
Mag. Type 300	**214208**			418.82
230 Vac; IP 54 Fits: MVD 515/5; MVDLE 515/5 PRODUCTION #: 213797 FORMERLY: 214-208		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 19 6.60 3.00	
Mag. Type 400	**214209**			516.57
230 Vac; IP 54 Fits: MVD 520/5; MVDLE 520/5 PRODUCTION #: 213798 FORMERLY: 214-209		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 14.10 6.40	
Mag. Type 500	**214210**			1,080.32
230 Vac; IP 54 Fits: MVD 525/5 PRODUCTION #: 213799 FORMERLY: 214-210		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 18.20 8.26	
Mag. Type 100	**240310**			229.69
24 Vac; NEMA Type 12 Fits: MVD 505/6; MVDLE 205/6 PRODUCTION #: 217390 FORMERLY: 240-310		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 1.10 0.50	
Mag. Type 200	**240311**			358.67
24 Vac; NEMA Type 12 Fits: MVD 507/6; MVD 510/6; MVDLE 207/6; 210/6 PRODUCTION #: 217391 FORMERLY: 240-311		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19 3.10 1.41	

Model / Tech. Data	Order No.	List Price
Mag. Type 20	**246502**	435.53
120 Vac; NEMA Type 4x Fits: SV 1005/6x4; SV 1007/6x4; SV-DLE 1005/6x4; SV-DLE 1007/6x4 PRODUCTION #: 242502 FORMERLY: 246-502	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 1.60 **Weight** (Kg.) 0.73	
Mag. Type 30	**246503**	504.85
120 Vac; NEMA Type 4x Fits: SV 1010/6x4; SV 1012/6x4; SV-DLE 1010/6x4; SV-DLE 1012/6x4 PRODUCTION #: 242503 FORMERLY: 246-503	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 4.10 **Weight** (Kg.) 1.86	
Mag. Type 40	**246504**	553.98
120 Vac; NEMA Type 4x Fits: SV 1015/6x4; SV 1020/6x4; SV-DLE 1015/6x4; SV-DLE 1020/6x4 PRODUCTION #: 242504 FORMERLY: 246-504	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 7.40 **Weight** (Kg.) 3.36	
Mag. Type 1111	**232401**	728.40
120 Vac; NEMA Type 12 Fits: DMV 701/6x2; DMV-DLE 701/6x2; DMV-ZRD(LE) 701/6x2 PRODUCTION #: 224919 FORMERLY: 232-401	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.80 **Weight** (Kg.) 0.82	
Mag. Type 1211	**232402**	867.17
120 Vac; NEMA Type 12 Fits: DMV 702; DMV-DLE 702; DMV-ZRD(LE) 702/6x2 PRODUCTION #: 224909 FORMERLY: 232-402	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 3.80 **Weight** (Kg.) 1.73	
Mag. Type 1212	**232403**	982.74
120 Vac; NEMA Type 12 Fits: DMV 703/6x2; DMV-DLE 703/6x2; DMV-ZRD(LE) 703/6x2 PRODUCTION #: 224910 FORMERLY: 232-403	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 5.76 **Weight** (Kg.) 2.61	
Mag. Type 1111	**238829**	728.40
24 Vdc; NEMA Type 12 Fits: DMV 701/6x2; DMV-DLE 701/6x2 PRODUCTION #: 225309 FORMERLY: 238-829	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.80 **Weight** (Kg.) 0.82	
Mag. Type 1211	**238826**	867.17
24 Vdc; NEMA Type 12 Fits: DMV 702/6x2; DMV-DLE 702/6x2; PRODUCTION #: 225312 FORMERLY: 238-826	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 3.80 **Weight** (Kg.) 1.73	

Model / Tech. Data	Order No.	List Price
Mag. Type 1212	**238823**	982.74
24 Vdc; NEMA Type 12 Fits: DMV 703/6x2; DMV-DLE 703/6x2 PRODUCTION #: 225314 FORMERLY: 238-823	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.70 **Weight** (Kg.) 2.59	
Mag. Type 1111	**238554**	728.39
24 Vac; NEMA Type 12 Fits: DMV 701/6x2; DMV-DLE 701/6x2 PRODUCTION #: 228555 FORMERLY: 238-554	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.80 **Weight** (Kg.) 0.82	
Mag. Type 1211	**238825**	867.17
24 Vac; NEMA Type 12 Fits: DMV 702/6x2; DMV-DLE 702/6x2 PRODUCTION #: 228556 FORMERLY: 238-825	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 3.80 **Weight** (Kg.) 1.73	
Mag. Type 1212	**238822**	982.74
24 Vac; NEMA Type 12 Fits: DMV 703/6x2; DMV-DLE 703/6x2 PRODUCTION #: 228557 FORMERLY: 238-822	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.70 **Weight** (Kg.) 2.59	
Mag. Type 151	**246515**	479.92
120 Vac; NEMA Type 4x Fits: DMV 702/6x4; DMV-DLE 702/6x4; Price is for one coil only. To replace both coils order 2 pieces! PRODUCTION #: 240604 FORMERLY: 246-515	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
Mag. Type 152	**246516**	533.49
120 Vac; NEMA Type 4x Fits: DMV 703/6x4; DMV-DLE 703/6x4; Price is for one coil only. To replace both coils order 2 pieces! PRODUCTION #: 241439 FORMERLY: 246-516	**Delivery Info** A **Product Group** 19 **Weight** (lbs.) 2.60 **Weight** (Kg.) 1.18	
Mag. Type 201	**246517**	649.24
120 Vac; NEMA Type 4x Fits: DMV 704/6x4; DMV-DLE 704/6x4; Price is for one coil only. To replace both coils order 2 pieces! PRODUCTION #: 241626 FORMERLY: 246-517	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.10 **Weight** (Kg.) 2.32	
Mag. Type 1111	**225003**	727.07
24 Vdc; IP 54 Fits: DMV 507/11; DMV-DLE 507/11 PRODUCTION #: 220836 FORMERLY: 225-003	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.80 **Weight** (Kg.) 0.82	

Model / Tech. Data	Order No.	List Price
Mag. Type 1211	**225028**	879.62
24 Vdc; IP 54 Fits: DMV 512/11; DMV-DLE 512/11 PRODUCTION #: 220840 FORMERLY: 225-028	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 3.80 **Weight** (Kg.) 1.73	
Mag. Type 1212	**225051**	1,196.62
24 Vdc; IP 54 Fits: DMV 520/11; DMV-DLE 520/11 DMV 5040; DMV-DLE 5040; DMV 5050; DMV-DLE 5050 PRODUCTION #: 222799 FORMERLY: 225-051	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.70 **Weight** (Kg.) 2.59	
Mag. Type 1111	**225001**	727.07
110 Vac; IP 54 Fits: DMV 507/11; DMV-DLE 507/11 PRODUCTION #: 220834 FORMERLY: 225-001	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.80 **Weight** (Kg.) 0.82	
Mag. Type 1211	**225005**	879.62
110 Vac; IP 54 Fits: DMV 512/11; DMV-DLE 512/11 PRODUCTION #: 220838 FORMERLY: 225-005	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 3.80 **Weight** (Kg.) 1.73	
Mag. Type 1212	**225049**	1,196.62
110 Vac; IP 54 Fits: DMV 520/11; DMV-DLE 520/11 DMV 5040; DMV-DLE 5040; DMV 5050; DMV-DLE 5050 PRODUCTION #: 222797 FORMERLY: 225-049	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.70 **Weight** (Kg.) 2.59	
Mag. Type 1111	**225000**	727.07
220 Vac; IP 54 Fits: DMV 507/11; DMV-DLE 507/11 PRODUCTION #: 216903 FORMERLY: 225-000	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 1.80 **Weight** (Kg.) 0.82	
Mag. Type 1211	**225004**	879.62
220 Vac; IP 54 Fits: DMV 512/11; DMV-DLE 512/11 PRODUCTION #: 216904 FORMERLY: 225-004	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 3.80 **Weight** (Kg.) 1.73	
Mag. Type 1212	**225048**	1,196.62
230 Vac; IP 54 Fits: DMV520/11; DMV-DLE 520/11 DMV 5040; DMV-DLE 5040; DMV 5050; DMV-DLE 5050 PRODUCTION #: 221887 FORMERLY: 225-048	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 5.70 **Weight** (Kg.) 2.59	

Model / Tech. Data	Order No.	List Price
Mag. Type 1411	**225168**	1,377.15
110/120 Vac; NEMA Type 12; IP 54 Fits: DMV 525; DMV-DLE 525; DMV 5065; DMV-DLE 5065 PRODUCTION #: 217403 FORMERLY: 225-168	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 10.50 **Weight** (Kg.) 4.77	
Mag. Type 1511	**225217**	2,694.10
110 Vac; IP 54 Fits: DMV 5080; DMV-DLE 5080 PRODUCTION #: 217513 FORMERLY: 225-217	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 17.20 **Weight** (Kg.) 7.81	
Mag. Type 1611	**225222**	3,597.09
110 Vac; IP 54 Fits: DMV 5100; DMV-DLE 5100 PRODUCTION #: 220509 FORMERLY: 225-222	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 22.10 **Weight** (Kg.) 10.03	
Mag. Type 1711	**225226**	5,505.26
110 Vac; IP 54 Fits: DMV 5125; DMV-DLE 5125 PRODUCTION #: 221504 FORMERLY: 225-226	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 36.60 **Weight** (Kg.) 16.62	
Mag. Type 1411	**225167**	1,377.15
230 Vac NEMA Type 12; IP 54 Fits: DMV 525; DMV-DLE 525; DMV 5065; DMV-DLE 5065 PRODUCTION #: 215492 FORMERLY: 225-167	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 10.50 **Weight** (Kg.) 4.77	
Mag. Type 1511	**225171**	2,694.10
230 Vac; IP 54 Fits: DMV 5080; DMV-DLE 5080 PRODUCTION #: 216034 FORMERLY: 225-171	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 17.20 **Weight** (Kg.) 7.81	
Mag. Type 1611	**225220**	3,432.34
230 Vac; IP 54 Fits: DMV 5100; DMV-DLE 5100 PRODUCTION #: 216941 FORMERLY: 225-220	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 22.10 **Weight** (Kg.) 10.03	
Mag. Type 1711	**225225**	5,505.26
230 Vac; IP 54 Fits: DMV 5125; DMV-DLE 5125 PRODUCTION #: 216942 FORMERLY: 225-225	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 36.60 **Weight** (Kg.) 16.62	

Model / Tech. Data	Order No.		List Price
Mag. Type 1411	**225170**		1,377.15
24 Vdc; NEMA Type 12; IP 54 Fits: DMV 525; DMV-DLE 525; DMV 5065; DMV-DLE 5065 PRODUCTION #: 218999 FORMERLY: 225-170	**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 10.50 **Weight** (Kg.) 4.77		
Mag. Type 1511	**225219**		2,694.10
24 Vdc; IP 54 Fits: DMV 5080; DMV-DLE 5080 PRODUCTION #: 219755 FORMERLY: 225-219	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 17.20 **Weight** (Kg.) 7.81		
Mag. Type 1611	**225224**		3,597.09
24 Vdc; IP 54 Fits: DMV 5100; DMV-DLE 5100 PRODUCTION #: 220508 FORMERLY: 225-224	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 22.10 **Weight** (Kg.) 10.03		
Mag. Type 1711	**225228**		5,505.26
24 Vdc; IP 54 Fits: DMV 5125; DMV-DLE 5125 PRODUCTION #: 221506 FORMERLY: 225-228	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 36.60 **Weight** (Kg.) 16.62		
Mag. Type 1150	**251680**		
120 Vac; NEMA Type 12 Fits: DMV ZRD/LE 701/507 Valve 2 Coil 2 FORMERLY: 251-680	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)		**PRICE ON REQUEST**
Mag. Type 1250	**251681**		
120 Vac; NEMA Type 12 Fits: DMV ZRD/LE 702/512 Valve 2 Coil 2 FORMERLY: 251-681	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)		**PRICE ON REQUEST**
Mag. Type 1350	**251682**		
120 Vac; NEMA Type 12 Fits: DMV ZRD/LE 703/520 Valve 2 Coil 2 FORMERLY: 251-682	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)		**PRICE ON REQUEST**
Coil Mag Type 1411/2P	**256633**		1,735.83
Voltage: 24V FITS: DMV 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)		

Model / Tech. Data	Order No.	List Price
Coil Mag Type 1411/2P	**255478**	1,735.83
Voltage: 120V FITS: DMV 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1411/2P	**255477**	1,388.66
Voltage: 230V FITS: DMV 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1411/2P	**256630**	1,285.22
Voltage: 120V FITS: DMV-D 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1411/2P	**256629**	1,285.22
Voltage: 230V FITS: DMV-D 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1411/2PL	**256632**	1,770.26
Voltage: 120V FITS: DMV-DLE 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1411/2PL	**256631**	1,770.26
Voltage: 230V FITS: DMV-DLE 5065 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1511/2P	**248503**	2,417.38
Voltage: 24V FITS: DMV-(D) 5080 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1511/2P	**253713**	2,417.38
Voltage: 120V FITS: DMV-(D) 5080 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
Coil Mag Type 1511/2P	**247869**	2,417.38
Voltage: 230V FITS: DMV-(D) 5080 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1511/2PL	**262826**	2,459.71
Voltage: 120V FITS: DMV-DLE 5080 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1511/2PL	**248496**	2,459.71
Voltage: 230V FITS: DMV-DLE 5080 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1611/2P	**248504**	3,425.50
Voltage: 24V FITS: DMV-(D) 5100 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1611/2P	**253677**	3,425.50
Voltage: 120V FITS: DMV-(D) 5100 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1611/2P	**247870**	3,425.50
Voltage: 230V FITS: DMV-(D) 5100 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1611/2PL	**262825**	3,470.12
Voltage: 120V FITS: DMV-DLE 5100 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1611/2PL	**248498**	3,470.12
Voltage: 230V FITS: DMV-DLE 5100 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	*Order No.*	List Price
Coil Mag Type 1711/2P	**248505**	5,339.65
Voltage: 24V FITS: DMV-(D) 5125 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1711/2P	**253676**	5,339.65
Voltage: 120V FITS: DMV-(D) 5125 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1711/2P	**247871**	5,339.65
Voltage: 230V FITS: DMV-(D) 5125 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1711/2PL	**262824**	5,381.96
Voltage: 120V FITS: DMV-DLE 5125 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Coil Mag Type 1711/2PL	**248500**	5,381.96
Voltage: 230V FITS: DMV-DLE 5125 ECO	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

DUNGS®
Combustion Controls



Description
Replacement Printed Circuit Boards

Harmonized Code:

Specifications
Contact technical support for product specific details

Model / Tech. Data	*Order No.*		List Price
PWB SV 1005-7 120V	**245147**		97.17
Fits mag type 20 FOR SV 1005/6X4 1007/6X4 FORMERLY: 245-147		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
PWB SV 1010-1020 120V	**245153**		97.17
Fits mag type 30 40 FOR SV 1010/6x4 1012/6x4 1015/6x4 1020/6x4 FORMERLY: 245-153		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
PWB DMV 701 120V/24VAC	**238803**		97.17
Fits mag type 1111 FOR DMV 701 FORMERLY: 238-803		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.		List Price
PWB DMV 701 24Vdc	**238804**		137.64
Fits mag type 1111 FOR DMV 701 FORMERLY: 238-804		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
PWB DMV 702-3 120V/24VAC	**238806**		137.64
Fits mag type 1211 & 1212 FOR DMV 702 703 FORMERLY: 238-806		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
PWB DMV 702-3 24Vdc	**238807**		
Fits mag type 1211 & 1212 FOR DMV 702 703 FORMERLY: 238-807		**Delivery Info** O **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
PWB DMV 512-5125 24Vdc	**266151**		137.64
Fits mag type 1211, 1212, 1411, 1511, 1611, 1711 FOR DMV 512, 520, 525, 5040, 5050, 5065, 5080, 5100, 5125 FORMERLY: 225-381A, 266979		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
PWB DMV 525, 5040-5080 120VAC	**266149**		
Fits mag type 1212, 1411, 1511 FOR DMV 525, 5040, 5050, 5065, 5080 FORMERLY: 225-379A, 266977		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
PWB DMV512-5080 230VAC	**266147**		
Fits mag type 1211, 1411, 1511 FOR DMV 512, 520, 525, 5040, 5050, 5065, 5080 FORMERLY: 225-377A, 266976		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
PWB DMV 5100 5125 120VAC	**266150**		
Fits mag type 1611, 1711 FOR DMV 5100, 5125 FORMERLY: 225-380A, 266978		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
PWB MV... X05/6	**270110**		
Fits mag type 100 FORMERLY: 252-332A		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*		List Price
PWB MV... X07/X10/6	**267126**		
Fits mag type 200 FORMERLY: 252-333A		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
PWB MV... X12/X15/X20/X25/230/6	**267127**		
Fits mag type 300/400/500 FORMERLY: 252-334A		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
PWB MV... 530/6	**267128**		
Fits mag type 550 FORMERLY: 252-335A		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**

DUNGS®
Combustion Controls



Description
• Accessories for other products

Harmonized Code: Various

Model / Tech. Data	*Order No.*		List Price
1/4" NPT Push Button	**267055**		79.42
1/4" NPT Isolation push button valve, Female / Female threads. FORMERLY: 242-645A		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.75 **Weight** (Kg.) 0.34	
Rp 1/2" Push Button	**266828**		86.85
Rp 1/2" Isolation push button valve, Female / Female threads. Includes Seal (227125) FORMERLY: 033-621A		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) 0.75 **Weight** (Kg.) 0.34	
MANOMETER	**099028**		191.95
0 - 40 Mbar pressure range G 1/2 B Connection FORMERLY: 099-028		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.75 **Weight** (Kg.) 0.34	

Model / Tech. Data	Order No.	List Price
MANOMETER	**103697**	191.95
0 - 60 Mbar pressure range G 1/2 B Connection FORMERLY: 103-697	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
MANOMETER	**082081**	191.95
0 - 100 Mbar pressure range G 1/2 B Connection FORMERLY: 082-081	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
MANOMETER	**104083**	191.95
0 - 160 Mbar pressure range G 1/2 B Connection FORMERLY: 104-083	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.75 **Weight** (Kg.) 0.34	
MANOMETER	**077396**	191.95
0 - 250 Mbar pressure range G 1/2 B Connection FORMERLY: 077-396	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
MANOMETER	**104307**	191.95
0 - 400 Mbar pressure range G 1/2 B Connection FORMERLY: 104-307	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
MANOMETER	**103705**	191.95
0 - 600 Mbar pressure range G 1/2 B Connection FORMERLY: 103-705	**Delivery Info** C **Product Group** 19 **Weight** (lbs.) 0.75 **Weight** (Kg.) 0.34	
MANOMETER	**227146**	53.48
0-1.6Bar pressure range G 1/2 B Connection FORMERLY: 227-146	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
MANOMETER	**119073**	53.48
0-1Bar pressure range G 1/2 B Connection FORMERLY: 119-073	**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.			List Price
MANOMETER	**217101**			53.48
0-25Mbar pressure range G 1/2 B Connection FORMERLY: 217-101		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.84 0.38	
MANOMETER	**052415**			53.48
0-4Bar pressure range G 1/2 B Connection FORMERLY: 052-415		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.55 0.25	
MANOMETER	**217202**			53.48
0-6Bar pressure range G 1/2 B Connection FORMERLY: 217-202		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.42 0.19	
MANOMETER	**227283**			53.48
0-10Bar pressure range G 1/2 B Connection FORMERLY: 227-283		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.42 0.19	
Gauge Press.	**269281**			187.76
0-30” WC FORMERLY: 50024		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.45 0.20	
Gauge Press.	**269285**			261.71
0-60” WC FORMERLY: 50176		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19 0.45 0.20	
Gauge Press.	**269283**			
0-160” WC OBSOLETE replaced by 267778 FORMERLY: 50114		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 19	**PRICE ON REQUEST**
Gauge Press.	**267423**			
0-235” WC OBSOLETE FORMERLY: 50113		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 19	**PRICE ON REQUEST**

Model / Tech. Data	Order No.		List Price
Gauge Press.	**267778**		187.77
0-5 PSI 1/4” FORMERLY: 50518		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**268247**		109.61
0-10 PSI 1/4” Glycerin Filled, SS Case, Brass Fittings FORMERLY: 267521		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**269279**		85.28
0-15 PSI 1/4N FORMERLY: 50001		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**269282**		85.28
0-30 PSI FORMERLY: 50025		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**269280**		175.07
0-60 PSI 1/4NPT FORMERLY: 50008		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**267782**		175.07
0-5 PSIG FORMERLY: 50522		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**267781**		175.07
0-10 PSIG FORMERLY: 50521		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Gauge Press.	**267805**		175.07
0-15”WC FORMERLY: 50546		**Delivery Info** NP **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.			List Price
Gauge Press.	**267819**			175.07
-8WC + 16"WC FORMERLY: 50560		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19	
Replacement cover for VDK	**224098**			854.31
Includes Printed Version SO2 CE Wire Board FORMERLY: 224-098		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19 1.00 0.45	
Hydraulic Brake	**240458**			247.78
Fits: DMV... 701/702/703 SV 10XX FORMERLY: 240-458		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 19	
Hydraulic Brake	**223159**			174.18
Fits: MV... X05/6 FORMERLY: 223-159		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19	
Hydraulic Brake	**223158**			208.87
Fits: MV... X07/X10/X12/X15/X20/6 DMV-DLE 5065/5080 FORMERLY: 223-158		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19	
Hydraulic Brake	**223157**			526.60
Fits: MV... X25/X30/6 DMV-DLE 5100/5125 FORMERLY: 223-157		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19	
Hydraulic Brake	**224457**			
Fits: SV 507-520; MB420-DMZ 520, H12/6, DMV-DLE 507/11, 512/11, 512/11, 520/11, 5040/11, 5050/11 FORMERLY: 224-457		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 19	**PRICE ON REQUEST**
Adjustment knob	**240457**			44.74
Fits: DMV 701/702/703 FORMERLY: 240-457		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 19	

Model / Tech. Data	Order No.		List Price
Adjustment knob	**231789**		44.74
Fits: MV... X05 FORMERLY: 231-789		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Adjustment knob	**231790**		53.86
Fits: MV... X07/X10/X12/X15/X20 FORMERLY: 231-790		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Adjustment knob	**231791**		89.94
Fits: MV... X25/X30 FORMERLY: 231-791		**Delivery Info** B **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	
Cover PWB box	**267129**		
Fits: DMV 7XX/6X4 series and MV... /6 series valves Comes with 2 screws FORMERLY: 252-336A		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
Cover PWB box	**254740**		
Fits: SV 1005/1007/505/507 Includes: Cover, gasket, screws FORMERLY: 254-740		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
Cover PWB box	**254741**		
Fits: SV 1010/1012/1015/510/512 Includes: Cover, gasket, screws FORMERLY: 254-741		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**
Cover PWB box	**254742**		
Fits: SV 1015/1020/515/520 Includes: Cover, gasket, screws FORMERLY: 254-742		**Delivery Info** C **Product Group** 19 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**

DUNGS®
Combustion Controls



Actuators

Product	Model	Page
Spring Return - EMA	US	110.1
Proportionating - EMP-1	US	111.1
Slave Proportionating - EMP-2	US	112.1
4-20 mA Input Proportionating - EMP-5	US	113.1
High Torque - EMP-9xxxx	US	114.1
Pneumatic Actuators	US	115.1
Actuator Accessories	US	116.1
Actuator Parts	US	117.1

DUNGS®
Combustion Controls



Description
DUNGS actuators are designed to operate dampers, butterfly valves and similar devices.

Link to the Datasheet and User Manual

Harmonized Code: 8011030

Specifications

Electrical ratings	120 Vac, 60 Hz
Enclosure rating	NEMA Type 4 (with appropriate conduit connection)
Ambient temperature rating	-40°F to +136 °F (-40 °C to +58 °C)
Operating mode	Two Position, Spring return
Size	5 3/8" x 6 9/16" x 5 3/4" (L x W x H) 1/2" Shaft

Crank arm included; Auxiliary switch not available

Model / Tech. Data	*Order No.*		List Price
EMA-405	**269227**		401.34
16 in lb Output; 180 deg CCW Spring Return; 20s No Load Timing; 60s Full Load Timing; 120 Vac, 60 Hz, 0.40A; 45 VA running and holding FORMERLY: 43117		**Delivery Info** O **Product Group** 70 **Weight** (lbs.) 7.60 **Weight** (Kg.) 3.45	
EMA-405-1	**269228**		401.34
16 in lb Output; 90 deg CCW Spring Return; 10s No Load Timing; 30s Full Load Timing; 120 Vac, 60 Hz, 0.90A; 45 VA running and holding FORMERLY: 43117-1		**Delivery Info** A **Product Group** 70 **Weight** (lbs.) 7.60 **Weight** (Kg.) 3.45	
EMA-418-2	**269242**		496.91
60 in lb Output; 90 deg CCW Spring Return; 10s No Load Timing; 30s Full Load Timing; 120 Vac, 60 Hz, 0.40A; 120 VA running, 42 VA holding FORMERLY: 43199-1		**Delivery Info** A **Product Group** 70 **Weight** (lbs.) 8.50 **Weight** (Kg.) 3.86	



Description
DUNGS actuators are designed to operate dampers, butterfly valves and similar devices.

Link to the Datasheet and User Manual

Harmonized Code: 8011030

Specifications

Electrical ratings	120 Vac, 60 Hz
Enclosure rating	NEMA Type 1 (NEMA Type 4 with AM-363) part # 269239
Auxiliary Switch	SPDT; 6A @ 120 Vac
Ambient temperature rating	-40°F to +136 °F (-40 °C to +58 °C)
Operating mode	Position Proportioning 100 Ohm Slidewire Feedback
Size	5 3/8" x 5 3/8" x 7" (L x W x H) 1/2" Shaft

Crank arm included; Capable of 180 degree rotation with 180 degree slide wire

Model / Tech. Data	Order No.			List Price
EMP-423-1	**269235**			573.35
60 in lb Output; 90 deg 100 Ohm; 12s fixed;120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43158		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 70 8.70 3.95	
EMP-424-1	**269222**			630.67
60 in lb Output; 90 deg 100 Ohm;12s adjustable; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43032		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 70 8.70 3.95	
EMP-453-1	**267207**			573.35
220 in lb Output; 90 deg 100 Ohm; 40s fixed;120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43033		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 70 8.70 3.95	

Model / Tech. Data	*Order No.*	List Price
EMP-454-1	**269225**	630.67

220 in lb Output; 90 deg

100 Ohm; 40s adjustable; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1

FORMERLY: 43087

Delivery Info	A
Product Group	70
Weight (lbs.)	8.70
Weight (Kg.)	3.95



Description
DUNGS actuators are designed to operate dampers, butterfly valves and similar devices.

Link to the Datasheet and User Manual

Harmonized Code: 8011030

Specifications

Electrical ratings	120 Vac, 60 Hz
Enclosure rating	NEMA Type 1 (NEMA Type 4 with AM-363) part # 269239
Auxiliary Switch	SPDT; 6A @ 120 Vac
Ambient temperature rating	-40°F to +136 °F (-40 °C to +58 °C)
Operating mode	Potentiometer Slaved Proportioning, 100-1000 Ohm, Slidewire Feedback
Size	6 5/8" x 5 3/8" x 7" (L x W x H) 1/2" Shaft

Crank arm included; Capable of 180 degree rotation with 180 degree slide wire

Model / Tech. Data	*Order No.*		List Price
EMP-423-2	**267228**		783.59
60 in lb Output; 90 deg 12s fixed;120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43158-2		**Delivery Info** B **Product Group** 70 **Weight** (lbs.) 9.90 **Weight** (Kg.) 4.49	
EMP-424-2	**267204**		840.92
60 in lb Output; 90 deg 12s adjustable; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43032-2		**Delivery Info** B **Product Group** 70 **Weight** (lbs.) 9.90 **Weight** (Kg.) 4.49	
EMP-453-2	**267208**		783.59
220 in lb Output; 90 deg 40s fixed;120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43033-2		**Delivery Info** C **Product Group** 70 **Weight** (lbs.) 9.90 **Weight** (Kg.) 4.49	

Model / Tech. Data	*Order No.*		List Price
EMP-454-2	**267212**		
220 in lb Output; 90 deg 40s adjustable; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 1 FORMERLY: 43087-2	**Delivery Info** O **Product Group** 70 **Weight** (lbs.) 9.90 **Weight** (Kg.) 4.49		**PRICE ON REQUEST**



Description
DUNGS actuators are designed to operate dampers, butterfly valves and similar devices.

Link to the Datasheet and User Manual

Harmonized Code: 8011030

Specifications

Electrical ratings	120 Vac, 60 Hz
Enclosure rating	NEMA Type 4
Auxiliary Switch	SPDT; 6A @ 120 Vac
Ambient temperature rating	-40°F to +136 °F (-40 °C to +58 °C)
Operating mode	Proportioning, 4-20 mA Input
Size	6 5/8" x 5 3/8" x 7" (L x W x H) 1/2" Shaft

Crank arm included; Capable of 180 degree rotation with 180 degree slide wire

Model / Tech. Data	*Order No.*		List Price
EMP-423-5	**267229**		859.99
60 in lb Output; 90 deg 4-20 mA; 100 Ohm; 12s fixed; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac, 78VA; NEMA Type 4 FORMERLY: 43158-6		**Delivery Info** A **Product Group** 70 **Weight** (lbs.) 10.50 **Weight** (Kg.) 4.77	
EMP-424-5	**269223**		917.38
60 in lb Output; 90 deg 4-20 mA; 100 Ohm; 12s adjustable; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 4 FORMERLY: 43032-6		**Delivery Info** A **Product Group** 70 **Weight** (lbs.) 10.50 **Weight** (Kg.) 4.77	
EMP-453-5 ACTUATOR 4-20 M	**269224**		859.99
220 in lb Output; 90 deg 4-20 mA; 100 Ohm; 40s fixed; 120 Vac, 60 Hz, 0.65A; Aux Sw 6A @ 120 Vac; NEMA Type 4 FORMERLY: 43033-6		**Delivery Info** A **Product Group** 70 **Weight** (lbs.) 10.50 **Weight** (Kg.) 4.77	

Model / Tech. Data	*Order No.*	List Price
EMP-454-5	**269226**	917.38

220 in lb Output; 90 deg

4-20 mA; 100 Ohm; 40s adjustable; 120 Vac, 60 Hz, 1.8A; Aux Sw 6A @ 120 Vac NEMA Type 4

FORMERLY: 43087-6

Delivery Info	A
Product Group	70
Weight (lbs.)	8.70
Weight (Kg.)	3.95



Description
DUNGS actuators are designed to operate dampers, butterfly valves and similar devices.

Harmonized Code: 8011030

Specifications

Electrical ratings	120 Vac, 60 Hz
Enclosure rating	NEMA Type 1 (NEMA Type 4 with AM-369, part # 269240)
	SPDT; 6A @ 120 Vac
Ambient temperature rating	-40°F to +130 °F (-40 °C to +54 °C)
Operating modes	Potentiometer Slaved Proportioning, 100-1000 Ohm, Slidewire Feed back (requires AE 504, part # 269237)
	SPDT or Snap acting controller
	Proportioning, 4-20 mA Input (Requires CP 8391, part # 267218)
Size	9 1/2" x 10 1/2" x 9 9/16" (L x W x H)
	1/2" Shaft

Crank arm NOT included (Requires part # 267239); Capable of 180 degree rotation with 180 degree slide wire

Model / Tech. Data	*Order No.*			List Price
EMP-9430	**267245**			2,865.13
550 in lb Output; 90 deg 100 Ohm; 20s fixed;120 Vac, 60 Hz, 1.8A; Aux Sw 6A @ 120 Vac; Requires crank arm (267239) FORMERLY: 43211		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 70 31.60 14.35	
EMP-9630	**269246**			2,865.13
1100 in lb Output; 90 deg 100 Ohm; 33s fixed; 120 Vac, 60 Hz, 1.8A; Aux Sw 6A @ 120 Vac; Requires crank arm (267239) FORMERLY: 43215		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 70 31.60 14.35	
EMP-9830	**269243**			2,865.13
1300 in lb Output; 90 deg 100 Ohm; 57s fixed; 120 Vac, 60 Hz, 1.8A; Aux Sw 6A @ 120 Vac; Requires crank arm (267239) FORMERLY: 43201		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 70 31.60 14.35	



Description
DUNGS actuators are designed to operate dampers, butterfly valves and similar devices.

Harmonized Code: 8011030

Specifications

Crank arm NOT included; Refer to selection guide for technical specifics.

Model / Tech. Data	Order No.			List Price
MP-453-133				
220 in/-lb Output; 90 deg 120 Vac, 60 Hz, 0.65A; 40 s fixed; Aux Sw 6A @ 120 Vac, 100 Ohm slidewire; FORMERLY: 43195		**Delivery Info** O **Product Group** 70 **Weight** (lbs.) 7.40 **Weight** (Kg.) 3.36		**PRICE ON REQUEST**
MK-3141	**269230**			210.25
Pneumatic Actuator 8” sq. effective area; Max air pressure 30 PSI; Air connection 1/8” NPT. FORMERLY: 43141-1		**Delivery Info** C **Product Group** 70 **Weight** (lbs.) 5.30 **Weight** (Kg.) 2.41		
MP-493-102-0-2				
450 in/-lb Output; 90 deg 120 Vac, 60 Hz, 0.95A; Aux Sw 6A @ 120 Vac FORMERLY: 43205		**Delivery Info** O **Product Group** 70 **Weight** (lbs.) 8.50 **Weight** (Kg.) 3.86		**PRICE ON REQUEST**



Description
Actuator Accessories

Harmonized Code: 85030050

Installation charge of any accessory is minimum $25 per motor [contact Customer Service for part number specific quote]. 5 business day lead time for assembly and mounting.

Model / Tech. Data	*Order No.*			List Price
CP-9302-702	**269229**			386.74
For EMP 4xx actuators 4-20 mA DC current to position converter, adjustable zero and deadband NEMA Type 4; -40 to +140 deg F (-40 to +60 deg C) FORMERLY: 43118-5		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 71 0.45 0.20	
CP-8391-716 for High Torque	**267218**			686.15
For EMP 9xxx actuators 4-20 mA DC current to position converter, adjustable zero and deadband NEMA Type 4; -40 to +140 deg F (-40 to +60 deg C) Includes the coupling kit FORMERLY: 43118-6		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 71 1.20 0.54	
AM-321-0-2	**269234**			221.88
For EMP 4xx actuators Auxiliary switch; Two independently adjustable snap action SPDT Switches 5.8 A @ 120 Vac; NEMA Type 1 FORMERLY: 43156		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 71 1.20 0.54	

Model / Tech. Data	*Order No.*			List Price
AM-341-0-2	**267226**			584.91
For EMP 4xx actuators Auxiliary switch; Four independently adjustable snap action SPDT Switches 5.8 A @ 120 Vac; NEMA Type 1 FORMERLY: 43156-1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 71 1.20 0.54	
AM-332-102-1	**269236**			
100 Ohm, Single potentiometer for position indicating or paralleling FORMERLY: 43161		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	O 71 1.00 0.45	**PRICE ON REQUEST**
AE-504	**269237**			251.61
Paralleling Relay FORMERLY: 43162		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 71 0.90 0.41	

DUNGS®
Combustion Controls



Description
Actuator Parts

Harmonized Code:

Installation charge of any accessory is $25.00 per motor; 5 business day lead time for assembly and mounting.

Model / Tech. Data	*Order No.*			List Price
ADDA-259-010	**267194**			122.57
Slidewire 135 Ohm, 90 deg FORMERLY: 41306		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 72 0.10 0.05	
ADDA-274-010	**269221**			48.47
Slidewire 1000 Ohm, 90 deg FORMERLY: 41313		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 72 0.10 0.05	
ADDA-38-010	**269241**			51.28
Slidewire 100 Ohm, 180 deg FORMERLY: 43186		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 72 0.10 0.05	

Model / Tech. Data	Order No.		List Price
ADDA-243-010	**41306-1**		
Slidewire 135 Ohm, 180 deg FORMERLY: 41306-1		**Delivery Info** B **Product Group** 72 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**
ADDA-902-5	**269220**		107.30
100 Ohm, 90 deg Slidewire and Wiper arm kit Replaces 267236 and 269219 FORMERLY: 41304		**Delivery Info** A **Product Group** 72 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
AM-301	**267191**		53.43
90 deg mounting bracket for EMP4xx motors FORMERLY: 41113		**Delivery Info** C **Product Group** 72 **Weight** (lbs.) 1.30 **Weight** (Kg.) 0.59	
PND-2-1	**269231**		35.42
Diaphragm for 43141-1 actuators for MK-314 motors FORMERLY: 43141-2		**Delivery Info** A **Product Group** 72 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
ADDA-904-1	**269238**		137.96
120/240 Vac Transformer Kit FORMERLY: 43163		**Delivery Info** C **Product Group** 72 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	
AM-132	**269232**		6.14
5/16“ dia Hole Ball Joint Linkage Swivel Connector. FORMERLY: 43142		**Delivery Info** B **Product Group** 72 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
AM-122	**269233**		7.65
5/16“ dia Hole Straight Linkage Connector. FORMERLY: 43142-1		**Delivery Info** C **Product Group** 72 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	
AM-125	**267223**		11.95
5/16“ dia. x 20“ Damper Rod for 173 -lb Load. FORMERLY: 43143		**Delivery Info** B **Product Group** 72 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	

Model / Tech. Data	Order No.	List Price
AM-394	**267240**	230.90
Connector Link with 1/2“ Ball Joints; Adjustable 15 3/4” to 24 3/4” in length FORMERLY: 43203	**Delivery Info** A **Product Group** 72 **Weight** (lbs.) 2.20 **Weight** (Kg.) 1.00	
AM-113	**267224**	7.51
1/2“ dia Crank Arm Standard on EMA 4xx and EMP 4xx motors FORMERLY: 43144	**Delivery Info** B **Product Group** 72 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
AM-116	**267242**	17.55
1/2“ dia Splined Crank Arm fits EMA 4xx and EMP 4xx motors FORMERLY: 43206	**Delivery Info** B **Product Group** 72 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
AM-392	**267239**	210.95
3/4“ dia Crank Arm For EMP 9xxx motors FORMERLY: 43202	**Delivery Info** B **Product Group** 72 **Weight** (lbs.) 1.10 **Weight** (Kg.) 0.50	
AM-363	**269239**	27.80
Weather resistant covers for EMP 4xx actuators. (NEMA Type 4) FORMERLY: 43164	**Delivery Info** A **Product Group** 72 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
AM-369	**269240**	246.95
Weather Resistant Covers for EMP 9xxx actuators. (NEMA Type 4) FORMERLY: 43164-1	**Delivery Info** A **Product Group** 72 **Weight** (lbs.) 0.40 **Weight** (Kg.) 0.18	
1/2” Conduit Extension	**50007**	
Two (2) required for EMP 9xxx actuators when mounting 4 -20 mA control box (267218) FORMERLY: 50007	**Delivery Info** C **Product Group** 72 **Weight** (lbs.) 0.10 **Weight** (Kg.) 0.05	**PRICE ON REQUEST**
AM-773	**43208**	
Fittings CP8391-703 Mounting Is included in 267218 FORMERLY: 43208	**Delivery Info** C **Product Group** 72 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**

DUNGS®
Combustion Controls



Ignition Transformers

Product	Model	Page
Ignition Transformers	US	120.1
DEZ Ignition Transformers	US	121.1



Description
Ignition Transformers

Link to the User Manual

Harmonized Code: 85043290

Specifications

Enclosure rating	NEMA Type 1
Ambient temperature rating	+5°F to +110 °F

Model / Tech. Data	*Order No.*			List Price
1092 type S	**267344**			223.66
Ignition Transformer 120 Vac, 60 Hz Primary; 6000 V Secondary FORMERLY: 48996		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 73 10.00 4.54	
IGN XFMR 1092 SG	**267341**			218.60
Ignition Transformer 120 VAC 60 Hz 600 V Secondary FORMERLY: 48993		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 73 10.00 4.54	
542GP	**267345**			270.90
Ignition Transformer 120 Vac, 60 Hz Primary; 10,000 V Secondary FORMERLY: 48998		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 73 10.00 4.54	

73 Ignition Transformers

Model / Tech. Data	*Order No.*	List Price
1112 type S	**267343**	270.90
Ignition Transformer 240 Vac, 60 Hz Primary; 6000 V Secondary FORMERLY: 48995	**Delivery Info** B **Product Group** 73 **Weight** (lbs.) 10.00 **Weight** (Kg.) 4.54	
1196 type S	**267342**	421.55
Ignition Transformer 240 Vac, 50 Hz Primary; 6000 V Secondary FORMERLY: 48994	**Delivery Info** B **Product Group** 73 **Weight** (lbs.) 10.00 **Weight** (Kg.) 4.54	

DUNGS®
Combustion Controls



Description
The DUNGS DEZ are electronic high-performance ignition transformers with high-frequency oscillation technology. Compared with conventional inductive ignition transformers, the DEZ are much smaller and lighter. Designs for one or two ignition electrodes are available in different voltage versions. SEO Model is the single electrode model. SEO versions are to be used when both ignition of the burner & flame monitoring via flame rod (ionization) are done with the same electrode.

Application
For oil and gas burners, ignition takes place, depending on design, with one ignition electrode against the burner mass or with two ignition electrodes between the electrodes. The DEZ ignition transformers are available in two versions: either (DEZ 1xx) with a high-voltage output for ignition against the burner mass or (DEZ 2xx) with two high-voltage outputs for ignition between the electrodes. For use in burner systems in which ignition and ionization flame monitoring takes place via a common electrode, the “SEO” versions must be used. Transformers for two electrodes are available upon request.

Harmonized Code: Various

Approvals: 73/23/EEC Low-Voltage Directive
89/336/EEC EMC Directive

Ignition cables to be ordered from Dungs when ordering DEZ Transformers. The cables are not standard cables. One high voltage electrode cable and one power cable required per DEZ 1xx. Two high voltage electrode cables and one power cable required per DEZ 2xx.

Model / Tech. Data	*Order No.*	List Price
DEZ 100 Ignition Transformer	**252113**	98.52
DEZ Ignition Transformer 230VAC	**Delivery Info** NP **Product Group** 73 **Weight** (lbs.) **Weight** (Kg.)	
DEZ 100 Ignition Transformer SEO	**257126**	98.52
DEZ Single Electrode Ignition Transformer 230VAC	**Delivery Info** NP **Product Group** 73 **Weight** (lbs.) **Weight** (Kg.)	
DEZ 101 Ignition Transformer	**255018**	79.28
DEZ Ignition Transformer 120VAC	**Delivery Info** NP **Product Group** 73 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price

DEZ 101 Ignition Transformer SEO **257127** 79.28

DEZ Single Electrode Ignition Transformer 120VAC

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

DEZ 200 Ignition Transformer **252114** 101.49

DEZ Ignition Transformer 230VAC

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

Ignition Transformer Cable **252120** 15.19

Secondary High Voltage Electrode Cable, 370mm with Pre-Molded 4.0mm Rajah Connector

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

Ignition Transformer Cable **252121** 22.50

Secondary High Voltage Electrode Cable, 1000mm with Pre-Molded 4.0mm Rajah Connector

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

Ignition Transformer Cable **252122** 26.44

Secondary High Voltage Electrode Cable, 1500mm with Pre-Molded 4.0mm Rajah Connector

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

DEZ 1xx/2xx Ignition Cable, UL, **294839** 51.59

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

DEZ 1xx/2xx Ignition Cable, UL, **294840** 53.15

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

DEZ 1xx/2xx Ignition Cable, UL, **294841** 54.82

Delivery Info NP
Product Group 73
Weight (lbs.)
Weight (Kg.)

Model / Tech. Data	*Order No.*		List Price
Ignition Cable	**252119**		15.19
Primary Power Cable, 1000mm with Pre-Molded Connector		**Delivery Info** NP **Product Group** 73 **Weight** (lbs.) **Weight** (Kg.)	
Ignition Cable	**254827**		13.87
Primary Power Cable, 265mm with Pre-Molded Connector		**Delivery Info** NP **Product Group** 73 **Weight** (lbs.) **Weight** (Kg.)	
Ignition Cable	**261303**		57.05
Primary Power Cable, 5000mm with Pre-Molded Connector		**Delivery Info** NP **Product Group** 73 **Weight** (lbs.) **Weight** (Kg.)	

DUNGS®
Combustion Controls



Manual Shut-Off Valves

Product	Model	Page
DUNGS Ball Valves - KH	US	130.1
Ball Valves - KH	EU	131.1
Flanged Ball Valves - FKH	US/EU	132.1
Lug Butterfly Valves - BV	CE	133.1
Ball Valves Locking NPT	US	134.1
Ball Valves / Locking Rp	EU	135.1



Description
1/4” NPT to 3” NPT ball valve
Application
The ball valve is for manual shutoff suitable for natural gas, propane, butane, air and other inert gases.

Link to the Datasheet and User Manual

Harmonized Code: 84818081

Specifications

Max. operating pressure	14.5 PSI (1000 mbar) (125 PSI UL)
Ambient temperature rating	-40 °F to +300 °F (-20 °C to +150 °C)

Brass body; Full port

Model / Tech. Data	*Order No.*		List Price
KH 01/6-02	**268443**		24.16
1/4“ NPT Brass Body FORMERLY: D240887		**Delivery Info** A **Product Group** 66 **Weight** (lbs.) 0.20 **Weight** (Kg.) 0.09	
KH 01/6-03	**268444**		25.47
3/8“ NPT Brass Body FORMERLY: D240889		**Delivery Info** A **Product Group** 66 **Weight** (lbs.) 0.30 **Weight** (Kg.) 0.14	
KH 01/6-05	**268445**		36.16
1/2“ NPT Brass Body FORMERLY: D240890		**Delivery Info** A **Product Group** 66 **Weight** (lbs.) 0.60 **Weight** (Kg.) 0.27	

Model / Tech. Data	Order No.			List Price
KH 01/6-07	**268446**			46.81
3/4“ NPT Brass Body FORMERLY: D240891		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 66 0.80 0.36	
KH 01/6-10	**268447**			66.55
1“ NPT Brass Body FORMERLY: D240892		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 66 1.50 0.68	
KH 01/6-12	**268449**			108.43
1 1/4“ NPT Brass Body FORMERLY: D240893		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 66 2.30 1.04	
KH 01/6-15	**268451**			130.58
1 1/2“ NPT Brass Body FORMERLY: D240894		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 66 3.50 1.59	
KH 01/6-20	**268452**			181.03
2“ NPT Brass Body FORMERLY: D240895		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	A 66 4.80 2.18	
KH 01/6-25	**268453**			726.71
2 1/2“ NPT Brass Body NOT FM APPROVED FORMERLY: D240896		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 66 8.90 4.04	
KH 01/6-30	**268454**			841.06
3“ NPT Brass Body NOT FM APPROVED FORMERLY: D240897		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 66 12.40 5.63	



Description
Rp 1/4 to Rp 2 ball valve, PN 1 as per DIN 3537 Part 1.
Application
The ball valve is for manual shutoff suitable for natural gas, propane, butane, air and other inert gases.

CE

Harmonized Code:

Specifications

Max. operating pressure	14.5 PSI (1000 mbar)
Ambient temperature rating	-4 °F to +300 °F (-20 °C to +150 °C)

Brass body; Full port

Model / Tech. Data	*Order No.*		List Price
Ball Valve 1/4" RP	**260768**		34.30
Rp 1/4 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-768		**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 3/8" RP	**260769**		36.11
Rp 3/8 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-769		**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1/2" RP	**260772**		48.69
Rp 1/2 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-772		**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	*Order No.*	List Price
Ball Valve 3/4" RP	**260773**	54.62
Rp 3/4 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-773	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1" RP	**260774**	83.79
Rp 1 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-774	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1 1/2" RP	**260777**	143.00
Rp 1 1/2 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-777	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 2" RP	**260778**	217.24
Rp 2 Manually operated; 5bar CE; Hard Chrome Plated. FORMERLY: 260-778	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	



Description
DIN 40 to DIN 150 ball valve, Flange PN 16 as per DIN 2533.
Application
The ball valve is for manual shutoff suitable for natural gas, propane, butane, air and other inert gases.

CE

Harmonized Code: 84818081

Specifications

Max. operating pressure	232 PSI (16 bar)
Ambient temperature rating	+14 °F to +212°F (-10 °C to +100 °C)

Cast Iron; Full port

Model / Tech. Data	*Order No.*		List Price
KH DN. 40	**238581**		677.32
DN. 40 Manually operated; Cast Iron body. 1 1/2" nominal pipe size FORMERLY: 238-581		**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 15.43 **Weight** (Kg.) 7.01	
KH DN. 50	**238582**		686.28
DN. 50 Manually operated; Cast Iron body. 2" nominal pipe size FORMERLY: 238-582		**Delivery Info** B **Product Group** 66 **Weight** (lbs.) 19.18 **Weight** (Kg.) 8.71	
KH DN. 65	**238583**		728.16
DN. 65 Manually operated; Cast Iron body. 2 1/2" nominal pipe size FORMERLY: 238-583		**Delivery Info** A **Product Group** 66 **Weight** (lbs.) 31.98 **Weight** (Kg.) 14.52	

Model / Tech. Data	Order No.	List Price
KH DN. 80	**238584**	973.43
DN. 80 Manually operated; Cast Iron body. 3” nominal pipe size FORMERLY: 238-584	**Delivery Info** A **Product Group** 66 **Weight** (lbs.) 41.89 **Weight** (Kg.) 19.02	
KH DN. 100	**238585**	1,103.76
DN. 100 Manually operated; Cast Iron body. 4” nominal pipe size FORMERLY: 238-585	**Delivery Info** B **Product Group** 66 **Weight** (lbs.) 47.40 **Weight** (Kg.) 21.52	
KH DN. 125	**238586**	1,923.88
DN. 125 Manually operated; Cast Iron body. 5” nominal pipe size FORMERLY: 238-586	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 114.64 **Weight** (Kg.) 52.05	
KH DN. 150	**238587**	2,445.09
DN. 150 Manually operated; Cast Iron body. 6” nominal pipe size FORMERLY: 238-587	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 145.51 **Weight** (Kg.) 66.06	

DUNGS®
Combustion Controls



Description
1-1/2” to 6” Lug Butterfly Valves in DN or ANSI flanged versions.
DN40 to DN150 flanges PN16 as per DIN EN 1092 or 1-1/2” to 6” 150 lb ANSI flanges according to ASME B16.5.

Application
The butterfly valve is for manual shutoff suitable for natural gas, propane, butane, air and other inert gases. They can also be used on dry and clean landfill gas (Ask Dungs for further advise).
CSA approved Viton versions also available for use with corrosive gases.

Harmonized Code: 84818081

Specifications

Max. operating pressure	125 PSIG CSA approved
Ambient temperature rating	-4 °F to +140°F (-20 °C to +60 °C)

Lug Bolts: DIN Threaded Bolts & Studs required for DN butterfly valves.
UNF Bolts and Studs Required for ANSI butterfly valves. Parts sold separately.

Cast Iron Body
Stainless Steel Butterfly
NBR Lining
Locking handle as standard

Model / Tech. Data	*Order No.*		List Price
Butterfly Valve DN. 40 PN16	**266012**		559.90
DN. 40 Manually operated; Cast Iron body. 1 1/2” nominal pipe size 8 Studs 260732 required.		**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 8.22 **Weight** (Kg.) 3.73	
Butterfly Valve DN. 50 PN16	**266013**		567.26
DN. 50 Manually operated; Cast Iron body. 2” nominal pipe size 8 Studs 260732 required.		**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 10.22 **Weight** (Kg.) 4.64	
Butterfly Valve DN. 65 PN16	**266014**		601.91
DN. 65 Manually operated; Cast Iron body. 2 1/2” nominal pipe size 8 Studs 260732 required.		**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 12.22 **Weight** (Kg.) 5.55	

Model / Tech. Data	Order No.	List Price
Butterfly Valve DN. 80 PN16	**266015**	840.41
DN. 80 Manually operated; Cast Iron body. 3” nominal pipe size 16 Studs 260732 required.	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 18.33 **Weight** (Kg.) 8.32	
Butterfly Valve DN. 100 PN16	**266016**	912.42
DN. 100 Manually operated; Cast Iron body. 4” nominal pipe size 16 Studs 135930 required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 21.33 **Weight** (Kg.) 9.68	
Butterfly Valve DN. 125 PN16	**266017**	1,325.19
DN. 125 Manually operated; Cast Iron body. 5” nominal pipe size 16 Studs 135930 required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 22.33 **Weight** (Kg.) 10.14	
Butterfly Valve DN. 150 PN16	**266018**	1,796.50
DN. 150 Manually operated; Cast Iron body. 6” nominal pipe size 16 Studs 135930 required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 28.33 **Weight** (Kg.) 12.86	
Butterfly Valve 1 1/2” ANSI	**266100**	559.90
1.5” ANSI 150 lbs Manually operated; Cast Iron body. 1 1/2” nominal pipe size 8 studs required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 8.22 **Weight** (Kg.) 3.73	
Butterfly Valve 2” ANSI	**266101**	567.26
2” ANSI 150 lbs Manually operated; Cast Iron body. 2” nominal pipe size 8 studs required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 10.22 **Weight** (Kg.) 4.64	
Butterfly Valve 2 1/2” ANSI	**266102**	601.91
2.5” ANSI 150 lbs Manually operated; Cast Iron body. 2 1/2” nominal pipe size 8 studs required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 12.22 **Weight** (Kg.) 5.55	
Butterfly Valve 3” ANSI	**266103**	840.41
3” ANSI 150 lbs Manually operated; Cast Iron body. 3” nominal pipe size 8 studs required	**Delivery Info** C **Product Group** 66 **Weight** (lbs.) 18.33 **Weight** (Kg.) 8.32	

Model / Tech. Data	Order No.			List Price
Butterfly Valve 4” ANSI	**266104**			912.42
4” ANSI 150 lbs Manually operated; Cast Iron body. 4” nominal pipe size 16 studs required		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 66 21.33 9.68	
Butterfly Valve 5” ANSI	**266105**			1,325.19
5” ANSI 150 lbs Manually operated; Cast Iron body. 5” nominal pipe size 16 studs required		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 66 22.33 10.14	
Butterfly Valve 6” ANSI	**266106**			1,796.50
6” ANSI 150 lbs Manually operated; Cast Iron body. 6” nominal pipe size 18 studs required		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 66 28.33 12.86	



Description
NPT ¼" to NPT 4" brass body ball valve with lever and lever lock handle. Full port.

Application
The ball valve is for manual shutoff suitable for natural gas, propane, butane, air and other inert gases.

Harmonized Code: 84818010

Specifications

Max. operating pressure	125 Psig (CSA), 600 PSI (CWP) up to 2"; 450 PSI (CWP) over 2"
Ambient temperature rating	-40°F to +350°F

Brass body; Full port

Model / Tech. Data	Order No.		List Price
Ball Valve 1/4" NPT	**267892**		37.20
NPT 1/4" Manually operated with locking device FORMERLY: 50637		**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 3/8" NPT	**267893**		41.26
NPT 3/8" Manually operated with locking device FORMERLY: 50638		**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1/2" NPT	**267894**		51.16
NPT 1/2" Manually operated with locking device FORMERLY: 50639		**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	Order No.	List Price
Ball Valve 3/4" NPT	**267895**	60.97
NPT 3/4" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1" NPT	**267896**	91.69
NPT 1" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1 1/4" NPT	**267897**	130.42
NPT 1 1/4" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 1 1/2" NPT	**267898**	150.79
NPT 1 1/2" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 2" NPT	**267899**	199.34
NPT 2" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 2 1/2" NPT	**270580**	717.94
NPT 2 1/2" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 3" NPT	**267900**	794.31
NPT 3" Manually operated with locking device FORMERLY: 50645	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	
Ball Valve 4" NPT	**50646**	
NPT 4" Manually operated with locking device	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) **Weight** (Kg.)	**PRICE ON REQUEST**



Description
Rp 1/2” to Rp 2” nickel plated brass body ball valve with lever and lever lock handle. Full port.

Application
The ball valve is for manual shutoff suitable for natural gas, propane, butane, air and other inert gases.

Harmonized Code: 84818010

Specifications

Max. operating pressure	5 Barg for Combustible gases/40 bar for inert gases
Ambient temperature rating	-40°C to +170°C

Nickel Plated Brass body; Full port

Model / Tech. Data	Order No.			List Price
Ball Valve 1/4” Rp	**272413**			52.25
Rp 1/4 Manually operated with locking device		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 66 1.00 0.45	
Ball Valve 1/2” Rp	**267747**			56.30
Rp 1/2 ” Manually operated with locking device FORMERLY: 50483		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 66 1.00 0.45	
Ball Valve 3/4” Rp	**267872**			67.10
Rp 3/4” Manually operated with locking device FORMERLY: 50616		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	NP 66 1.00 0.45	

Model / Tech. Data	Order No.	List Price
Ball Valve 1" Rp	**267748**	100.84
Rp 1" Manually operated with locking device FORMERLY: 50484	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Ball Valve 1 1/4" Rp	**267963**	143.48
Rp 1 1/4" Manually operated with locking device FORMERLY: 50713	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Ball Valve 1 1 /4" Rp	**267963**	143.48
Rp 1 1/4" Manually operated with locking device FORMERLY: 50713	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Ball Valve 1 1/2" Rp	**268244**	165.83
Rp 1 1/2" Manually operated with locking device FORMERLY: 51021	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
Ball Valve 2" Rp	**267948**	219.66
Rp 2" Manually operated with locking device FORMERLY: 50697	**Delivery Info** NP **Product Group** 66 **Weight** (lbs.) 5.00 **Weight** (Kg.) 2.27	

DUNGS®
Combustion Controls



Orifices & Venturis

Product	Model	Page
Brass Orifices & Venturi Meters	US	150.1

DUNGS®
Combustion Controls



Description
Orifice and Venturi Meters
Application
Low cost metering device that provides accurate setting of air or gas for optimum efficiency

Link to Orifice Data
Link to Venturi Data
Orifice Calculations
Orifice Flow Curves

Harmonized Code: 80818090

Specifications

Max. operating pressure	250 PSI

Other models available on request

Model / Tech. Data	*Order No.*			List Price
SBO-G-3	**269249**			93.49
1/2“ NPT Beta Ratio 0.301, Head Loss 89%, 33 scfh FORMERLY: 48040-1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 0.40 0.18	
SBO-H-1	**269258**			**PRICE ON REQUEST**
1/2“ NPT Beta Ratio 0.402, Head Loss 87%, 54 scfh FORMERLY: 48040-2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 0.40 0.18	
SBO-I-5	**269268**			93.49
1/2“ NPT Beta Ratio 0.500, Head Loss 85%; 87 scfh FORMERLY: 48040-3		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 0.40 0.18	

Model / Tech. Data	Order No.			List Price
SBO-J-7	**269271**			93.49
1/2“ NPT Beta Ratio 0.703, Head Loss 73%; 214 scfh FORMERLY: 48040-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 0.40 0.18	
SBO-F-1	**269272**			93.49
1/2“ NPT Beta Ratio 0.804, Head Loss 63%; 360 scfh FORMERLY: 48040-5		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 0.40 0.18	
SBO-K-1	**267292**			114.72
3/4“ NPT Beta Ratio 0.152, Head Loss 90%; 16 scfh FORMERLY: 48040-6		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 0.50 0.23	
SBO-J-3	**267293**			114.72
3/4“ NPT Beta Ratio 0.536, Head Loss 90%; 31 scfh FORMERLY: 48040-7		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 0.50 0.23	
SBO-A-1	**269273**			114.72
3/4“ NPT Beta Ratio 0.300, Head Loss 89%; 52 scfh FORMERLY: 48040-8		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 0.50 0.23	
SBO-B-5	**269274**			114.72
3/4“ NPT Beta Ratio 0.380, Head Loss 87%; 82 scfh FORMERLY: 48040-9		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 0.50 0.23	
SBO-C-3	**269250**			114.72
3/4“ NPT Beta Ratio 0.455, Head Loss 85%; 119 scfh FORMERLY: 48040-10		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 0.50 0.23	
SBO-D-7	**269251**			114.72
3/4“ NPT Beta Ratio 0.531, Head Loss 83%; 165 scfh FORMERLY: 48040-11		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 0.50 0.23	

Model / Tech. Data	Order No.		List Price
SBO-B-9	**269252**		133.91
1“ NPT Beta Ratio 0.536, Head Loss 79%; 275 scfh FORMERLY: 48040-12		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 0.90 **Weight** (Kg.) 0.41	
SBO-C-5	**269253**		133.91
1“ NPT Beta Ratio 0.596, Head Loss 76%; 348 scfh FORMERLY: 48040-13		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 0.90 **Weight** (Kg.) 0.41	
SBO-D-11	**269302**		
1“ NPT Beta Ratio 0.655, Head Loss 73%; 450 scfh FORMERLY: 48040-14		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 0.90 **Weight** (Kg.) 0.41	**PRICE ON REQUEST**
SBO-E-3	**267270**		133.91
1“ NPT Beta Ratio 0.715, Head Loss 65%; 576 scfh FORMERLY: 48040-15		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 0.90 **Weight** (Kg.) 0.41	
SBO-F-13	**269255**		133.91
1“ NPT Beta Ratio 0.632, Head Loss 58%; 720 s775 FORMERLY: 48040-16		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 0.90 **Weight** (Kg.) 0.41	
SBO-X-1	**269262**		133.91
1“ NPT Beta Ratio 0.417, Head Loss 80%; 159 scfh FORMERLY: 48040-23		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 0.90 **Weight** (Kg.) 0.41	
SBO-585	**269256**		195.09
1 1/4“ NPT Beta Ratio 0.634, Head Loss 65%; 700 scfh FORMERLY: 48040-17		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	
SBO-667	**267273**		195.09
1 1/4“ NPT Beta Ratio 0.725, Head Loss 55%; 1030 scfh FORMERLY: 48040-18		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 1.00 **Weight** (Kg.) 0.45	

Model / Tech. Data	Order No.			List Price
SBO-396	**267280**			195.09
1 1/4" NPT Beta Ratio 0.430, Head Loss 82%; 290 scfh FORMERLY: 48040-24		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 1.00 0.45	
SBO-478	**269263**			195.09
1 1/4" NPT Beta Ratio 0.520, Head Loss 76%; 438 scfh FORMERLY: 48040-25		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 1.00 0.45	
SBO-685	**269257**			204.93
1 1/2" NPT Beta Ratio 0.738, Head Loss 47%; 1380 scfh FORMERLY: 48040-19		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.20 0.54	
SBO-722	**269259**			204.93
1 1/2" NPT Beta Ratio 0.776, Head Loss 42%; 1608 scfh FORMERLY: 48040-20		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.20 0.54	
SBO-440	**269264**			204.93
1 1/2" NPT Beta Ratio 0.410, Head Loss 78%; 355 scfh FORMERLY: 48040-26		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 1.20 0.54	
SBO-559	**269265**			204.93
1 1/2" NPT Beta Ratio 0.602, Head Loss 67%; 806 scfh FORMERLY: 48040-27		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 1.20 0.54	
SBO-628	**269266**			204.93
1 1/2" NPT Beta Ratio 0.677, Head Loss 58%; 1084 scfh FORMERLY: 48040-28		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 1.20 0.54	
SBO-621	**269260**			269.65
2" NPT Beta Ratio 0.665, Head Loss 60%; 1689 scfh FORMERLY: 48040-21		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	B 74 1.50 0.68	

Model / Tech. Data	Order No.		List Price
SBO-677	**269261**		269.65
2“ NPT Beta Ratio 0.725, Head Loss 48%; 2350 scfh FORMERLY: 48040-22		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
SBO-448	**269267**		269.65
2“ NPT Beta Ratio 0.479, Head Loss 78%; 794 scfh FORMERLY: 48040-29		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
SBO-551	**269269**		269.65
2“ NPT Beta Ratio 0.590, Head Loss 68%; 1259 scfh FORMERLY: 48040-30		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
SBO-369	**269270**		269.65
2“ NPT Beta Ratio 0.392, Head Loss 84%; 650 scfh FORMERLY: 48040-31		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 1.50 **Weight** (Kg.) 0.68	
VCW -628	**267329**		
2 1/2" NPT Head Loss 10% FORMERLY: 48070-2		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 5.22 **Weight** (Kg.) 2.37	**PRICE ON REQUEST**
VCW-746	**267330**		
2 1/2" NPT Head Loss 10% FORMERLY: 48070-3		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 5.22 **Weight** (Kg.) 2.37	**PRICE ON REQUEST**
VCW-623	**267331**		
3" NPT Head Loss 10% FORMERLY: 48070-4		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	**PRICE ON REQUEST**
VCW-745	**290332**		
3" NPT Head Loss 10% FORMERLY: 48070-5		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	**PRICE ON REQUEST**

Model / Tech. Data	Order No.			List Price
VCW-675	**267332**			
4“ NPT Beta Ratio 0.675, Head Loss 10%; 8485 scfh FORMERLY: 48070-6		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 7.00 3.18	**PRICE ON REQUEST**
VCW-555	**290331**			
4" NPT Head Loss 10% FORMERLY: 48070-7		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 2.40 1.09	**PRICE ON REQUEST**
VCW-743	**267333**			
6“ NPT Beta Ratio 0.743, Head Loss 10%; 16122 scfh FORMERLY: 48070-8		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 10.10 4.59	**PRICE ON REQUEST**
VCW-750	**267326**			
8" NPT Head Loss 10% FORMERLY: 48070-11		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 3.20 1.45	**PRICE ON REQUEST**
VCW-755	**267327**			
10" NPT Head Loss 10% FORMERLY: 48070-12		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 4.70 2.13	**PRICE ON REQUEST**
VCW-750	**48070-13**			
12" NPT Head Loss 10%		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 7.30 3.31	**PRICE ON REQUEST**
VCW-756	**48070-14**			
14" NPT Head Loss 10%		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 12.40 5.63	**PRICE ON REQUEST**
VCW-721	**267328**			
16" NPT Head Loss 10% FORMERLY: 48070-15		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 14.00 6.36	**PRICE ON REQUEST**

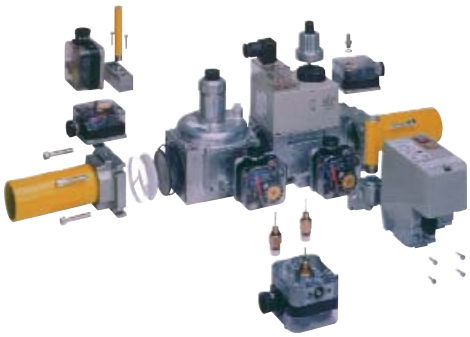
Model / Tech. Data	Order No.			List Price
VBS-138	**267311**			
3/4" NPT Head Loss 10% FORMERLY: 48060-1		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.44 0.65	**PRICE ON REQUEST**
VBS-276	**267317**			
3/4" NPT Head Loss 10% FORMERLY: 48060-2		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.40 0.64	**PRICE ON REQUEST**
VBS-327	**267318**			
1/2“ NPT Beta Ratio 0.327, Head Loss 10%; 64 scfh FORMERLY: 48060-3		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.00 0.45	**PRICE ON REQUEST**
VBS-414	**267319**			
3/4" NPT Head Loss 10% FORMERLY: 48060-4		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.40 0.64	**PRICE ON REQUEST**
VBS-550	**267320**			
3/4" NPT Head Loss 10% FORMERLY: 48060-5		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.40 0.64	**PRICE ON REQUEST**
VBS-230	**267321**			
1/2" NPT Head Loss 10% FORMERLY: 48060-6		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 0.95 0.43	**PRICE ON REQUEST**
VBS-270	**267322**			
1" NPT Head Loss 10% FORMERLY: 48060-7		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.90 0.86	**PRICE ON REQUEST**
VBS-406	**267323**			
1“ NPT Beta Ratio 0.406, Head Loss 10%; 204 scfh FORMERLY: 48060-8		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.00 0.45	**PRICE ON REQUEST**

Model / Tech. Data	Order No.			List Price
VBS-513	**267324**			
1" NPT Head Loss 10% FORMERLY: 48060-9		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.90 0.86	**PRICE ON REQUEST**
VBS-648	**267312**			
1" NPT Head Loss 10% FORMERLY: 48060-10		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.90 0.86	**PRICE ON REQUEST**
VBS-500	**267313**			
1 1/4" NPT Head Loss 10% FORMERLY: 48060-11		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.00 0.45	**PRICE ON REQUEST**
VBS-616	**48060-12**			
1 1/4" NPT Head Loss 10%		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.00 0.45	**PRICE ON REQUEST**
VBS-505	**267314**			
1 1/2" NPT Head Loss 10% FORMERLY: 48060-13		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 2.90 1.32	**PRICE ON REQUEST**
VBS-632	**267315**			
1 1/2" NPT Head Loss 10% FORMERLY: 48060-14		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 2.90 1.32	**PRICE ON REQUEST**
VBS-485	**271302**			
2“ NPT Beta Ratio 0.485, Head Loss 10%; 1043 scfh FORMERLY: 48060-15		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.60 0.73	**PRICE ON REQUEST**
VBS-685	**267316**			
2" NPT Head Loss 10% FORMERLY: 48060-16		**Delivery Info** **Product Group** **Weight** (lbs.) **Weight** (Kg.)	C 74 1.50 0.68	**PRICE ON REQUEST**

Model / Tech. Data	Order No.		List Price
VBS-608	**48060-17**		
2 1/2" NPT Head Loss 10%		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	**PRICE ON REQUEST**
VBS-750	**48060-18**		
2 1/2" NPT Head Loss 10% OBSOLETE		**Delivery Info** O **Product Group** 74 **Weight** (lbs.) 5.22 **Weight** (Kg.) 2.37	**PRICE ON REQUEST**
CO-708-2.5	**267296**		355.06
2 1/2" Beta Ratio 0.708, Head Loss 45%; 294 scfh FORMERLY: 48050-1		**Delivery Info** B **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	
CO-810-2.5	**267303**		355.06
2 1/2" Beta Ratio 0.810, Head Loss 20% FORMERLY: 48050-2		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	
CO-653-3	**267304**		460.63
3" Beta Ratio 0.653, Head Loss 57%; 365 scfh FORMERLY: 48050-3		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	
CO-734-3	**267305**		460.63
3" Beta Ratio 0.734, Head Loss 40% FORMERLY: 48050-4		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32	
CO-794-3	**267306**		460.63
3" Beta Ratio 0.794, Head Loss 30% FORMERLY: 48050-5		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 3.20 **Weight** (Kg.) 1.45	
CO-619-4	**267308**		561.47
4" Beta Ratio 0.619, Head Loss 60% FORMERLY: 48050-7		**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 5.20 **Weight** (Kg.) 2.36	

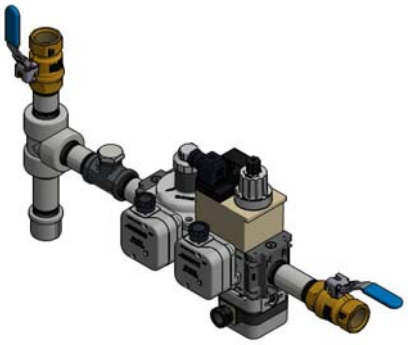
Model / Tech. Data	Order No.		List Price
CO-712-4	**267309**		561.47
4" Beta Ratio 0.712, Head Loss 45% FORMERLY: 48050-8	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 5.20 **Weight** (Kg.) 2.36		
CO-804-4	**267310**		561.47
4" Beta Ratio 0.804, Head Loss 22% FORMERLY: 48050-9	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 5.20 **Weight** (Kg.) 2.36		
CO-750-5	**273663**		639.19
5" Beta Ratio 0.750, Head Loss 32%	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.70 **Weight** (Kg.) 1.23		
CO-575-6	**267307**		713.39
6“ Beta Ratio 0.575, Head Loss 66%; 1100 scfh FORMERLY: 48050-6	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32		
CO-750-6	**267297**		713.39
6" Beta Ratio 0.750, Head Loss 32% FORMERLY: 48050-11	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 2.90 **Weight** (Kg.) 1.32		
CO-800-8	**267298**		
8" Beta Ratio 0.800, Head Loss 25% FORMERLY: 48050-12	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 3.20 **Weight** (Kg.) 1.45		**PRICE ON REQUEST**
CO-775-10	**267299**		
10" Beta Ratio 0.775, Head Loss 28% FORMERLY: 48050-13	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 4.70 **Weight** (Kg.) 2.13		**PRICE ON REQUEST**
CO-792-12	**267300**		
12" Beta Ratio 0.792, Head Loss 25% FORMERLY: 48050-14	**Delivery Info** C **Product Group** 74 **Weight** (lbs.) 7.30 **Weight** (Kg.) 3.31		**PRICE ON REQUEST**

Model / Tech. Data	*Order No.*			List Price
CO-800-14	**267301**			
14" Beta Ratio 0.800, Head Loss 25% FORMERLY: 48050-15		**Delivery Info**	C	**PRICE ON REQUEST**
		Product Group	74	
		Weight (lbs.)	12.40	
		Weight (Kg.)	5.63	



Gas Train Systems

Product	Model	Page
Preconfigured Burner Gas Trains ∗New Product∗	US	160.1
Assembly Fees	US/EU	170.1
Configuration Sheets		
DMV 701/702/703	US	170.2
DMV 704/525/5	US	170.3
MB-E Systems MB-E Flanged	US	170.4
MB-E Systems MB-E VB-2L - VB-50	US	170.5
Gas Train Request	US/EU	170.6
Gas Train Quote Request		170.7
Return Authorization Form		170.9



Description
Dungs Preconfigured Burner Gas Trains utilize the most versatile components and are designed to NFPA 86, with slow opening valve, automatic reset gas pressure switches, and proof-of-closure. All electrical components can be wired to optional junction box. Includes 1/2" NPT take-off for pilot line and inlet drip leg. Gas Train is assembled, tested and kept in stock in limited quantities. Available in Right to Left of Left to Right configurations.

Preconfigured Burner Gas Trains fit a variety of burners, and are available in 1" NPT, 1 1/2" NPT, and 2" NPT. Assembly includes DMV-DLE with Proof of Closure, GAO-A2 switches, FRI Regulator, and Visual Indicator.

Harmonized Code: 8481.80.900

Dimensions:
1"NPT: 22.88" Long, 12.73" High, 5.63" Wide
1.5" NPT: 29.69" Long, 16.57" High, 6.81" Wide
2" NPT: 33.4" Long, 20.05" High, 6.93" Wide

Maximum Inlet Pressure: 7 psig
Electrical Voltage: 120VAC/60 Hz
Approximate NG Flow at 4" pressure drop:
1" – 750 scfh
1 1⁄2" – 1700 scfh
2" – 2150 scfh

Model / Tech. Data	*Order No.*	List Price
1" NPT Gas Train (4-12" wc) L-R	**295680**	
GT, 1" NPT, 7 psig - (4-12"wc), 120VAC Blue Spring Installed 229818-White Spring Optional (2-5"wc) 229822-Red Spring Optional (10-22"wc)	**Delivery Info** NP **Product Group** 51 **Weight** (lbs.) **Weight** (Kg.)	
1" NPT Gas Train (4-12" wc) R-L	**296729**	
GT, 1" NPT, 7 psig - (4-12"wc), 120VAC Blue Spring Installed 229818-White Spring Optional (2-5"wc) 229822-Red Spring Optional (10-22"wc)	**Delivery Info** NP **Product Group** 51 **Weight** (lbs.) **Weight** (Kg.)	
1" NPT Gas Train (12-28" wc) L-R	**296237**	
GT, 1" NPT, 7 psig - (12-28"wc), 120VAC Yellow Spring Installed 229822-Red Spring Optional (10-22"wc) 229824-Black Spring Optional (24-44"wc)	**Delivery Info** NP **Product Group** 51 **Weight** (lbs.) **Weight** (Kg.)	

Model / Tech. Data	*Order No.*	List Price

1" NPT Gas Train (12-28" wc) R-L 296730

GT, 1" NPT, 7 psig - (12-28"wc), 120VAC Yellow Spring
229822-Red Spring Optional (10-22"wc)
229824-Black Spring Optional (24-44"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1" NPT Gas Train (24-44" wc) L-R 296238

GT, 1" NPT, 7 psig - (24-44"wc), 120VAC
Black Spring Installed
229825 Pink Spring Optional (40-60"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1" NPT Gas Train (24-44" wc) R-L 296731

GT, 1" NPT, 7 psig - (24-44"wc), 120VAC
Black Spring Installed
229825 Pink Spring Optional (40-60"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1.5" NPT Gas Train (4-12" wc) L-R 296020

GT, 1 1/2" NPT, 7 psig - (4-12"wc), 120VAC
Blue Spring Installed
229843-White Spring Optional (2-5"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1.5" NPT Gas Train (4-12" wc) R-L 296732

GT, 1 1/2" NPT, 7 psig - (4-12"wc), 120VAC
Blue Spring Installed
229843-White Spring Optional (2-5"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1.5" NPT Gas Train (12-28" wc) L-R 296241

GT, 1 1/2" NPT, 7 psig - (12-28"wc), 120VAC Yellow Spring
229846-Red Spring Optional (10-22"wc)
229848-Black Spring Optional (24-44"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1.5" NPT Gas Train (12-28" wc) R-L 296733

GT, 1 1/2" NPT, 7 psig - (12-28"wc), 120VAC Yellow Spring
229846-Red Spring Optional (10-22"wc)
229848-Black Spring Optional (24-44"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

1.5" NPT Gas Train (24-44" wc) L-R 296242

GT, 1 1/2" NPT, 7 psig - (24-44"wc), 120VAC
Black Spring Installed
229849-Pink Spring Optional (40-60"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

Model / Tech. Data	*Order No.*	List Price

1.5" NPT Gas Train (24-44" wc) R-L **296734**

GT, 1 1/2" NPT, 7 psig - (24-44"wc), 120VAC
Black Spring Installed

229849-Pink Spring Optional (40-60"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

2" NPT Gas Train (4-12" wc) L-R **295681**

GT, 2" NPT, 7 psig - (4-12"wc), 120VAC
Blue Spring Installed

229843-White Spring Optional (2-5"wc)
229846-Red Spring Optional (10-22"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

2" NPT Gas Train (4-12" wc) R-L **296735**

GT, 2" NPT, 7 psig - (4-12"wc), 120VAC
Blue Spring Installed

229843-White Spring Optional (2-5"wc)
229846-Red Spring Optional (10-22"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

2" NPT Gas Train (12-28" wc) L-R **296239**

GT, 2" NPT, 7 psig - (12-28"wc), 120VAC Yellow Spring
229846-Red Spring Optional (10-22" wc)

229848-Black Spring Optional (24-44"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

2" NPT Gas Train (12-28" wc) R-L **296736**

GT, 2" NPT, 7 psig - (12-28"wc), 120VAC Yellow Spring
229846-Red Spring Optional (10-22" wc)

229848-Black Spring Optional (24-44"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

2" NPT Gas Train (24-44" wc) L-R **296240**

GT, 2" NPT, 7 psig - (24-44"wc), 120VAC
Black Spring Installed

229849-Pink Spring Optional (40-60"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

2" NPT Gas Train (24-44" wc) R-L **296737**

GT, 2" NPT, 7 psig - (24-44"wc), 120VAC
Black Spring Installed

229849-Pink Spring Optional (40-60"wc)

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

Junction Box L-R **294959**

Pre-wired junction box for standard gas trains. Left-Right

Delivery Info NP
Product Group 51
Weight (lbs.)
Weight (Kg.)

Model / Tech. Data	*Order No.*	List Price

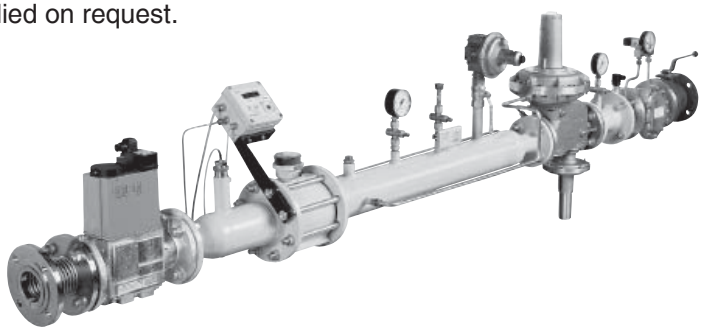
Junction Box R-L **296738**

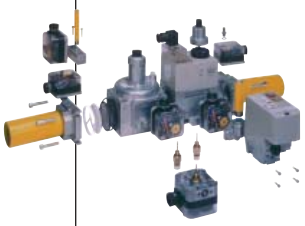
Pre-wired junction box for standard gas trains. Right-Left

Delivery Info	NP
Product Group	51
Weight (lbs.)	
Weight (Kg.)	

GAS TRAIN SYSTEMS

Karl Dungs, Inc. is an ISO 9001:2015 and PED 2014/68/EU [Pressure Equipment Directive] design and manufacturing facility for your gas train system requirements. Our production capabilities can handle systems up to 10” diameter [DN 250] and up to 100 Psig, including wiring to junction boxes. Specific solutions studied on request.



Model/tech data	Unit List			Qty
Assembly fee for modular **DMV & MBE systems** for U.S. & Canadian installation. Includes DMV 701/702/703 or MBE (body &actuators), FRI, Pressure Switches, VPS & basic mounting hardware accessories (visual indicator, CPI, adaptors, test nipples, coil swaps, lights and spring installation included). For other component additions contact Customer Service (763-582-1700) for price quote.	$405.48			ea

- Drawing: 3D .iges or .ipt format $150 only applies to Modular systems, other drawings, P.O.R.

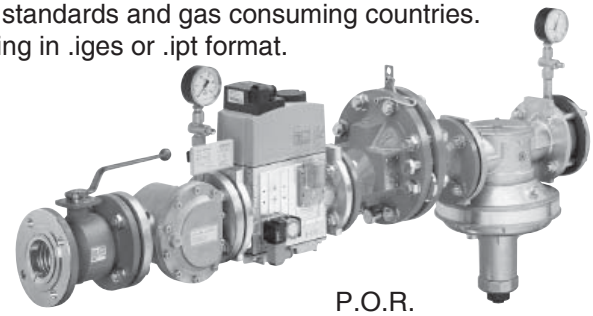
- Reference DMV 701/702/703 Series Configuration Sheet p. 170.2
- Reference DMV 704/525/5 Series Configuration Sheet p. 170.3
- Configuration sheet for MB-E Systems MB-E Flanged p. 170.5
- Configuration sheet for MB-E Systems MB-E VB-2L - VB-50 p. 170.6

Assembly & engineering fee for modular DMV or MBE configuration for Europe, Russia, Australia, Asia and all other gas consuming regions. Includes 3D drawing in .iges or .ipt format.

P.O.R.

- Reference Gas Train Request p. 170.4

Manufacturing & engineering fee for **Engineered Gas Systems** to meet the requirements of most global installation standards and gas consuming countries.
Includes 3D drawing in .iges or .ipt format.



P.O.R.

- Reference Gas Train Request p. 170.4

Kitting of parts, Labeling P.O.R.
Factory Installed Spring Changes: Regulators up to 2” : $25.00 per regulator, plus spring
Regulators over 2” : $40.00 per regulator, plus spring

CONFIGURATION SHEET FOR GAS ASSEMBLIES Rev.8
Configuration for DMV 701/702/703

DUNGS® Combustion Controls

Customer's Name:	KDI Shipment Number:

Flow Direction
- ☐ Left to Right
- ☐ Right to Left

Low Switch
- ☐ FRI Front (STANDARD with regulator)
- ☐ Upstream flange (STANDARD if no regulator)
- ☐ Mount to 1/4" NPT adapter (225047)
- ☐ Port 1 of DMV

High Switch
- ☐ DMV Downstream flange (STANDARD)
- ☐ DMV Port 3 Front (Port 3 adapter required 273777)
- ☐ Mount to 1/4" NPT adapter (225047)

Visual Indicator (266949)
- ☐ Valve 1 (STANDARD)
- ☐ Valve 2

VPS
- ☐ Front (STANDARD)
- ☐ Back (High Switch on Port 3 Front)

DMK/DMA
- ☐ Mount to downstream Flange (Standard)
- ☐ Mount to DMK only
- ☐ Ship loose, unassembled

1/4" NPT Adapter (225047)
- ☐ Upstream flange (STANDARD)
- ☐ Front side (port 1) of DMV
- ☐ Back side (port 1) of DMV
- ☐ Downstream Flange of DMV

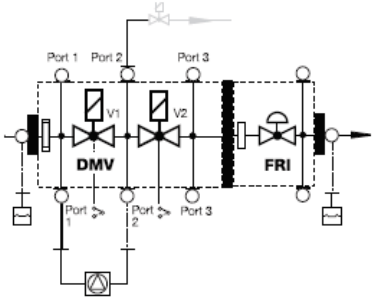
Other (Specify location!)
- ☐ 1/2" NPT adapter (STANDARD on front) (225043)
- ☐ Install Spring Into Regulator
- ☐ Spring for Regulator (Ship Loose)
- ☐ Test Nipple (STANDARD back ports 2 and 3) (219008)
- ☐ Test Nipple Ship Loose (219008)
- ☐ CPI as end switch (not POC) location: V1 or V2?

Additional Items requiring creation of PN at order entry
- ☐ Drip leg (Always on inlet side – Not painted)
- ☐ Inlet ball valve (Locking version)
- ☐ Inlet ball valve (Non-Locking)
- ☐ Outlet ball valve (Non-Locking)
- ☐ Pressure Gauge (Inlet) – Requires 225047
- ☐ Pressure Gauge (Outlet) – Requires 225047

This gas system will be manufactured as per the Configuration Sheet for Gas Systems

Special Instructions

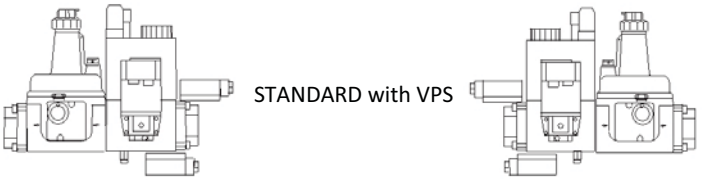
Ports Diagram



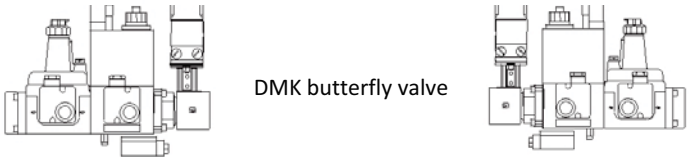
Examples

Flow directions

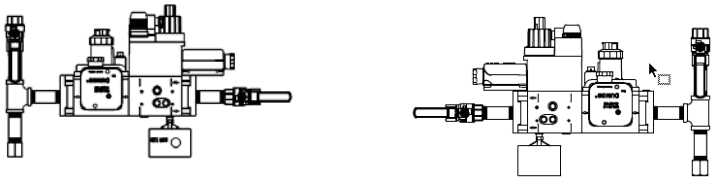
Left-to-Right | Right-to-Left



STANDARD with VPS



DMK butterfly valve



Drip Leg and ball valves Installed
Requires part number creation at order entry



Drip Leg ball valves and gauges Installed
Requires part number creation at order entry

Submitted and acknowledged by: _____
Date: _____
Assembler: _____
Checker: _____

CONFIGURATION SHEET FOR GAS SYSTEMS Rev. 8

Configuration for 704/525/5… Series

DUNGS® Combustion Controls

Customer's Name:	DUSA Part/Ship Number:

Flow Direction

☐ Left to Right
☐ Right to Left

High Switch

☐ Front Port 5 (Standard)
☐ Back Port 5
☐ Port 7 (Outlet Flange – DMV 525/704 Only)

Low Switch

☐ Front Port 1 (Standard)
☐ Back Port 1
☐ Port 6 (Inlet Flange – DMV 525/704 Only)

CPI (Can be mounted on both valves)

☐ Valve 2 (STANDARD)
☐ Valve 1

Visual Indicator (Can be mounted on both valves) 266949

☐ Valve 1 (STANDARD)
☐ Valve 2

VPS (Fitted on port 2-3)

☐ Front (STANDARD)
☐ Back

1" NPT Vent Line Adapter (243760)

☐ Back port 4+5 (STANDARD)
☐ Front Port 4+5

1/2" NPT Pilot Line Adapter (225043)

☐ Back port 4+5 (STANDARD)
☐ Front Port 4+5

Other (Specify location!)

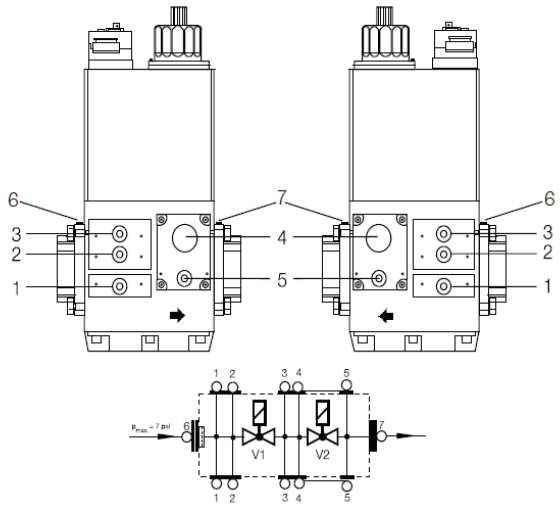
☐ Install Spring into Regulator
☐ Spring for Regulator (Ship Loose)
☐ Test Nipples (STANDARD on back 3 and 5) (219008)
☐ Test Nipple Ship Loose (219008)
☐ 1/2"BSP/NPT adapter on FRS vent port (231945)

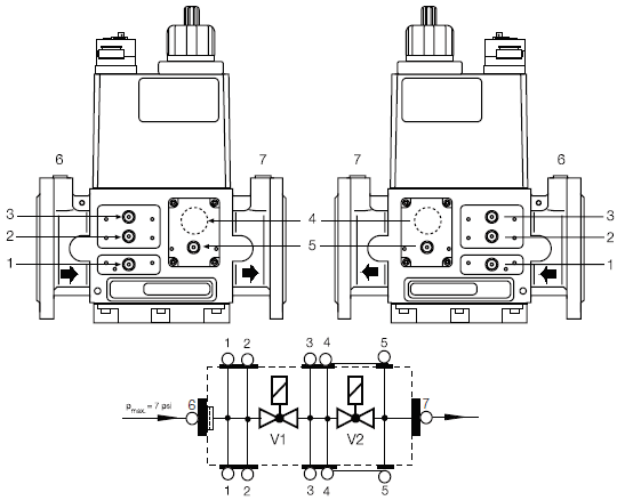
This gas system will be manufactured as per the Configuration Sheet for Gas Systems

Special Instructions

Showing Valves Ports

Flow directions





Submitted and acknowledged by: _____

Date: _____

Assembler: _____

Checker: _____

DUNGS® Combustion Controls

Customer's Name:	Part Number:

Flow Direction
- ☐ Left to Right
- ☐ Right to Left

Actuator Type VD1
- ☐ VD-V (Open/close only – w/Visual Indication)
- ☐ VD-R (Open/close w/Pressure Regulation – w/VI)
- ☐ VD-V-POC (Open/close – w/ POC and Visual Indication)
- ☐ VD-R-POC (Open/close w/Pressure Regulation – w/POC & VI)

Actuator Type VD2
- ☐ VD-V (Open/close only – w/Visual Indication)
- ☐ VD-R (Open/close w/Pressure Regulation – w/VI)
- ☐ VD-V-POC (Open/close – w/ POC and Visual Indication)
- ☐ VD-R-POC (Open/close w/Pressure Regulation – w/POC & VI)

Low Switch
- ☐ Front (P1R1)
- ☐ Back (P1L1)

High Switch
- ☐ Front (P2R)
- ☐ Back (P2)

VPS
- ☐ Front (STANDARD – Pm1R1-P1R2)
- ☐ Back (PmL1-P1L2)

Pressure Regulation (Also Requires Cable 276911)
- ☐ PS-50/200 (8-200"WC)
- ☐ PS-10/40 (2-40"WC)
- ☐ PS-0 (-2-+2"WC)
- ☐ None

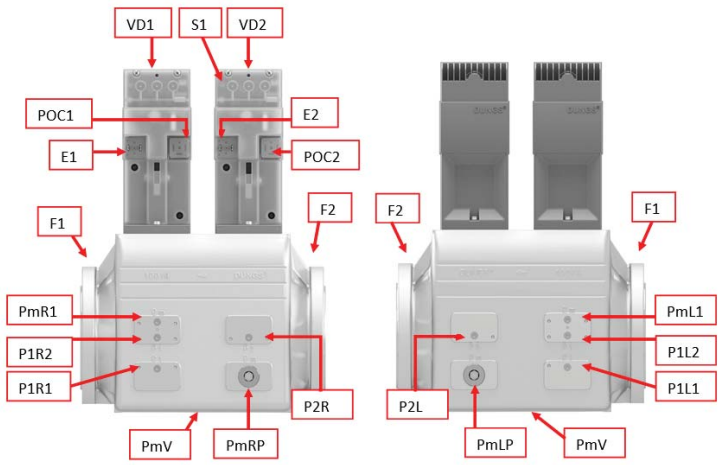
Other (Specify location!)
- ☐ Install Pressure Sensor on port F2 (Not available for PS-0)
- ☐ Pressure Sensor shipped Loose
- ☐ Test Nipple (STANDARD ports PmL1 – P1L2) (219008)
- ☐ Test Nipple Ship Loose (219008)
- ☐ Vent Connection Flange (0.5" to 2"NPT – PmV)

Additional Items requiring creation of PN at order entry
- ☐ Pressure Gauge (Inlet) – Requires 225047
- ☐ Pressure Gauge (Outlet) – Requires 225047

This gas system will be manufactured as per the Configuration Sheet for Gas Systems

Special Instructions

Ports Diagram



Submitted and acknowledged by: _____
Date: _____
Assembler: _____
Checker: _____

DUNGS® Combustion Controls

Customer's Name:	Part Number:

Flow Direction
- ☐ Left to Right
- ☐ Right to Left

Actuator Type VD1
- ☐ VD-V (Open/close only – w/Visual Indication)
- ☐ VD-R (Open/close w/Pressure Regulation – w/VI)
- ☐ VD-V-POC (Open/close – w/ POC and Visual Indication)
- ☐ VD-R-POC (Open/close w/Pressure Regulation – w/POC & VI)

Actuator Type VD2
- ☐ VD-V (Open/close only – w/Visual Indication)
- ☐ VD-R (Open/close w/Pressure Regulation – w/VI)
- ☐ VD-V-POC (Open/close – w/ POC and Visual Indication)
- ☐ VD-R-POC (Open/close w/Pressure Regulation – w/POC & VI)

Low Switch
- ☐ Front (P1R)
- ☐ Back (P1L)
- ☐ Inlet Flange (F1)
- ☐ Inlet Flange adapter (F1 – Requires 225047)

High Switch
- ☐ Outlet Flange (F2)

VPS
- ☐ Front (STANDARD – PmR-P1R)
- ☐ Back (PmL-P1L)

Pressure Regulation (Also Requires Cable 276911)
- ☐ PS-50/200 (8 - 200"WC)
- ☐ PS-10/40 (2 - 40"WC)
- ☐ PS-0 (-2 - +2"WC)
- ☐ None

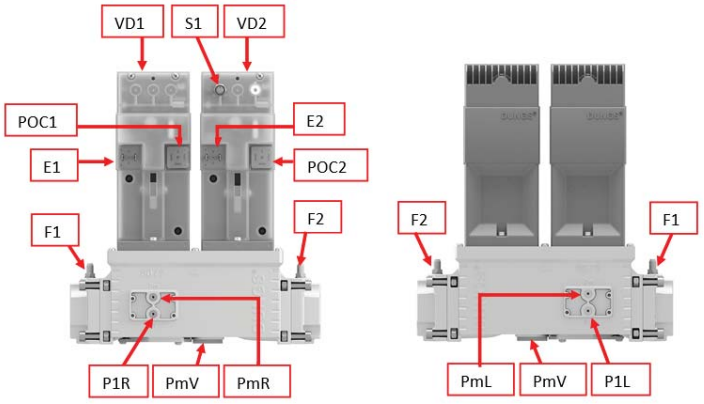
Other (Specify location!)
- ☐ Install Pressure Sensor on port F2 (Not available for PS-0)
- ☐ Pressure Sensor shipped Loose
- ☐ Test Nipple (STANDARD ports PmL – F2) (219008)
- ☐ Test Nipple Ship Loose (219008)
- ☐ Vent Connection Flange (0.5" to 1"NPT – PmV)

Additional Items requiring creation of PN at order entry
- ☐ Pressure Gauge (Inlet) – Requires 225047
- ☐ Pressure Gauge (Outlet) – Requires 225047

This gas system will be manufactured as per the Configuration Sheet for Gas Systems

Special Instructions

Ports Diagram



Submitted and acknowledged by: _____
Date: _____
Assembler: _____
Checker: _____

We offer gas trains with the following pressure ranges and nominal widths:

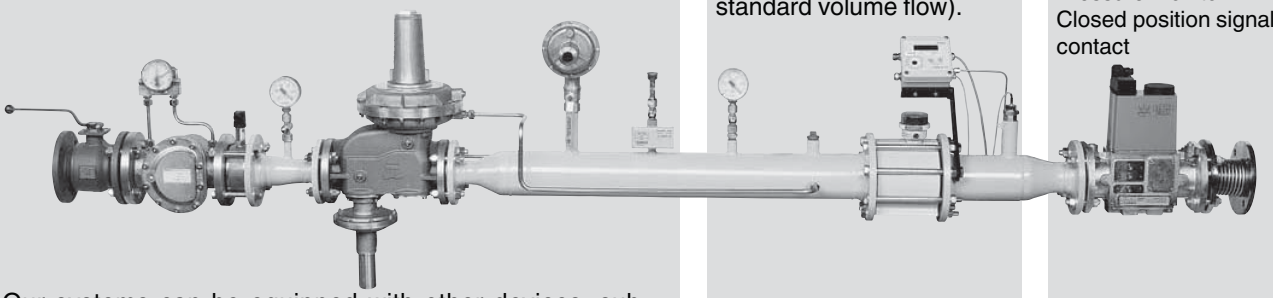
Druckbereiche		Nominal widths	
Low pressure range	ND: $p_1 \leq 100$ mbar	Threaded joint:	Rp 1/2 - Rp 2
Medium pressure range	MD: 100 mbar < $p_1 \leq 1$ bar	Flanged joint:	DN 25 - DN 250
High pressure range	HD: $p_1 > 1$ bar		

Components and functional sections of a GRMS

Pressure regulation part
Ball valve
Filter
Pressure regulators

Volume flow measurement part
Gas meter
Volume corrector (converts operating volume flow into standard volume flow).

Safety part
Solenoid valves
Bypass valve
Ignition gas valve
Valve inspection systems
Pressure monitor
Closed position signal contact



Our systems can be equipped with other devices, sub-assemblies and functional parts to meet specific application requirements.

Data for gas train calculation

Gas type		
Density		[kg/m³]
Calorific value, $H_{u,n}$		[kWh/m³]
Min. Input pressure $p_{e,min.}$		[bar, mbar]
Max. Input pressure $p_{e,max.}$		[bar, mbar]
Outlet pressure at the end of the GRMS		[bar, mbar]
Temperatur range		[°C]
Min. gas volume flow		[m³/h]
Max. gas volume flow		[m³/h]
Electrical voltage		[V]
Electrical degree of protection		[IP]
Other data		

Gas Trains Quote request – Rev 08

DUNGS® Combustion Controls

Date of Request:	Requested by:	Qty requested:	Page 1 of 2

Customer:		
Customer details for additional technical information requests:	*Contact Name*	
	Email address:	
	Phone Number:	
Project Reference:		
Shipping State:		
Project timeline:	*For Quotation:*	*For delivery:*

Data for Gas Trains quoting:

Install site : Country + State / Province				
Reference of similar manufactured train/business				
Construction code (Ex. NFPA 86, 37, EN746-2, NFPA87, CSA B149.1, B149.3, B149.6…) ***Note : If CSA approval required specify which one and if CRN is required and for which province***				
Gas type (Ex. NG, Propane, Butane, Landfill,…)				
Gas specifications : density / composition / gas analysis if available				
Maximum inlet pressure				
Minimum inlet pressure				
Outlet Pressure Required				
Allowable Max DP				
Temperature Range (Gas and ambient)				
Gas flow to be handled by the train				
Installation (Indoor/Outdoor) *Note: Temperature range is critical for Outdoor Installation*	**Indoor**	**Indoor Washdown**	**Outdoor (Unrestricted)**	**Outdoor (Under Weather Cover)**
NEMA/IP Rating				

Dungs supplied Pilot Line (Yes / No)				
Specific requirements: excluded parts / additional required parts… *Regulator, VLA (adapter only), NOVV (vent valve), VPS, Other*				
Connections	**Flanged ANSI**	**NPT**	**Flanged DIN**	**RP**
Preferred Pipe size				
Voltage	**220/240**	**110/120**	**24**	**Other**
Frequency	**AC**		**DC**	
Pipe type: Steel / Stainless Steel / Paint / Unpainted *Note: Quicker lead time with Stainless and very low cost difference*				
Additional information				

Please attach any application/gas consuming item specification or any other related specifications (Paint, piping,…)

RETURN AUTHORIZATION FORM Rev.13

DUNGS® Combustion Controls

RA NUMBER:	DATE:	Original Customer PO & DUNGS SO #:	KDI Customer Service Rep:
Customer Contact:	Company:	Address:	Email:
Customer Phone Number:	Submitted By:	Customer RMA #	RSM contact:

NOTE:

- *Return Authorization (RA) is subject to cancellation if the product is not received at DUNGS within 30 days of RA issue.*
- ***Purchaser assumes all carrier charges and responsibility for damages in transit to KDI unless preauthorized by Karl Dungs, Inc.***
- *Except for valve train assemblies, all component pieces originally shipped with the control being returned must be returned in their entirety. For return of valve train assemblies or components of valve train assemblies, contact customer service.*
- *Where a replacement product is immediately required, the Company will provide a replacement unit and bill the Purchaser. If is it determined that the return is a valid warranty and the product failed within the warranty period, the replacement charge will be credited. If DUNGS has determined that it is a valid warranty and a replacement control has not been provided, a no charge replacement will be provided unless a credit is specifically requested (applies to original Purchaser only).*
- *Refer to WARRANTY POLICY in latest Price-book issue.*

KDI Part #	Qty:	KDI Product Description	Reason (insert number from below)	Please Provide additional details below, if possible.

Reason for Returning the Product

1. Warranty Return: Explain reason for return *Price book terms & conditions 4.0 & 5.0
2. Restock part (subject to a restocking fee) * Price book terms & conditions 6.0
3. Request for an evaluation for cause of failure (minimum $50 evaluation fee may apply if the product is not under warranty – Contact DUNGS Customer Service for evaluation fee quote).
4. Repair Product (Requires approved price quote. Minimum $50 evaluation fee, which will be applied to repair cost. – Contact DUNGS Customer Service for repair fee quote).
5. Other

RA SHIPPING ADDRESS
Karl Dungs Inc.
RA #
3890 Pheasant Ridge Dr. NE, Suite 150
Blaine, MN 55449, USA
RA PHONE & FAX Phone (763)582-1700 • Fax (763)582-1799

Obsolete Part	Description	Replacement	Description
216-352 (216352)	VDK 200A S02	253734	VDK 200A S06
216-352BH (266903)	VDK 200A w/Brad Harrison	267131	VDK 200A S06 w/Brad Harrison
215-230A	GW 3 A2	266996	GW 3 A5
215-231A	GW 10 A2	266980	GW 10 A5
215-232A	GW 50 A2	266981	GW 50 A5
215-234A	GW 150 A2	266982	GW 150 A5
215-236A	GW 500 A2	266989	GW 500 A5
172-680A	GW 3A4	266991	GW 3 A6
172-690A	GW 10 A4	266992	GW 10 A6
153-600A (266880)	GW 50 A4	266993	GW 50 A6
157-050A	GW 150 A4	266994	GW 150 A6
157-060A	GW 500 A4	266995	GW 500 A6
222-638 (222638)	GF40050/3	279854	GF60050/4
222-639 (222639)	GF40065/3	279855	GF60065/4
222-640 (222640)	GF40080/4	279856	GF60080/4
222-641 (222641)	GF40100/3	279857	GF60100/4
070-565 (070565)	So Cord Strain Relief Pg11	268347 268348	Cable Gland Pg11 Black Lock-Up Nut Pg11 Black
214-276 (214276)	FRI 705/707 Replacement Filter	230440	FRI Replacement Filter/Strainer
214-525 (214525)	FRI 710/712 Replacement Filter	230441	FRI Replacement Filter/Strainer
233-116 (233116)	Cover For Pressure Switch	267181	Cover For Pressure Switch
228-732 (228732)	Cover For Pressure Switch	267182	Cover For Pressure Switch
209-319 (209319)	Neon Light 220VAC	231773	Neon Light 220VAC
149-980 (149980)	Neon Light 220VAC	231773	Neon Light 220VAC
217-897 (217897)	Air Duct Mount Kit	258247	Air Duct Mount Kit
50002	Strain Relief for Pressure Switches	268347 268348	Cable Gland Pg11 Black Lock-Up Nut Pg11 Black
224-976 (224976)	Hydraulic Brake	224457	Hydraulic Brake
43118-4	CP-8391-703 For High Torque	267218	CP-8391-716 For High Torque
43186-1 (267236)	ADDA-39-010	269220	ADDA-902-5
41302 (269219)	ADDA-245		No Replacement Available
43207 (269245)	AM-773	43208	AM-773
096-784 (096784)	KH 1/4"	260768	Ball Valve 1/4" RP
098-434 (098434)	KH 1"	260774	Ball Valve 1" RP
098-459 (098459)	KH 2"	260778	Ball Valve 2" RP