Safe and secure for the future

Innovations and systems for
- Heating
- Process Heat
- Gas Engines

Please do not hesitate to contact us.

Karl Dungs GmbH & Co. KG
Karl-Dungs-Platz 1
D-73660 Urbach, Germany
Phone +49 7181 804-0
Fax +49 7181 804-166
info@dungs.com
www.dungs.com

fb/karldungs
linkedin/karldungs
xing/karldungs
Gas is the future. Gas is a superior source of energy due to the sustainability of biogenic combustion gases, its energy efficiency, cleanliness and safe use. Gas is also available on the long term and does not require any waste management concept. Combustion gases are obtained from numerous sources.

Our goals are clearly defined: optimum use for consumers and mutual success with our partners. Success based on team spirit, quality, experience and innovations.

"Dungs is your system partner for gas safety and control technology. We offer comprehensive know-how, superior quality and trend-setting innovations. We develop customized solutions together with our customers. Take our word!"
Dungs is always a step ahead: We master all technologies for controlling, dosing and modulating combustion gas and combustion air. We offer the entire hardware, from individual valves to entire gas trains, as well as safety equipment, from automatic burner controls to burner management systems. You will find our products and solutions in private homes, public buildings, industrial facilities and also on gas engines in combined heat and power units.

Internationally successful product families, such as GasMultiBloc® and the burner management system MPA, guarantee reliability, profitability and user-friendliness with their technologies proven millions of times. A common characteristic are cross-system solutions with exemplary quality and safety.
It’s quite possible that Dungs also plays a role in your rooms for providing heat. We work with all well-known manufacturers of forced draught gas burners and gas-fired condensing boilers worldwide. Our technology considerably influences energy efficiency and thus the profitability and environmental friendliness of gas heating systems. Dungs is a synonym for safety during a long service life.

We offer a comprehensive portfolio from pressure switches to highly integrated burner management systems. In addition, there are integrated gas-air systems as well as multifunctional gas controls and automatic burner controls.

The places of use include single-family homes, skyscrapers, schools and industrial premises. Our goal is to provide the best system for each field of use. After all, the safety of gas heating systems does not allow for compromise.
Dungs for heating

Dungs provides mechanical, pneumatic and electronic system components, such as gas/air ratio, and the entire burner management based on microprocessor-controlled automatic burner controls.

Their large number and flexibility turn Dungs controls into tailored solutions for heat generators from 1 kW to 55,000 kW.

Dungs: an integral part of good heating systems.

- Fan
- Premix system WhirlWind
- GasMultiBloc®
- Gas pressure switch
- Burner management system MPA
- Display

future-proof
innovative
compact
effective
environmentally friendly
reliable
economic
proven
automated

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© Viessmann Werke

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Heating

© Bosch Thermotechnik GmbH
Dungs solutions stand their test in industrial processes, e.g. heating chocolate gently, and burning special waste at high temperatures - everywhere, where safety, quality and energy efficiency are required.

We develop and manufacture tailored systems for varied industrial applications, such as food production, metal, glass and ceramics manufacturing and steelmaking.

Dungs plans, builds and checks gas safety and control systems. Everything from a single source for development and engineering, to documentation and customs clearance.

We have built specialized teams and developed a worldwide infrastructure. Therefore, we are always easy to reach – when the project is planned and, later on, when the system is used.
Fired up for heat processes. Dungs for process heat

The modular Dungs system provides all system components to plan and implement tailor-made solutions for industrial heat processes – from the first ball valve to the last compensator. Our range of services includes development, engineering, documentation and support.

Steel: 1400 °C / 2550 °F
Glass: 1300 °C / 2370 °F
Heavy clay: 1100 °C / 2000 °F
Fine ceramics: 1000 °C / 1800 °F
Coffee: 220 °C / 430 °F
Waffles: 200 °C / 390 °F
Chocolate: 35 °C / 95 °F
Gas engines are suitable for many future-oriented fields of use, from combined heat and power to hot water and steam generation or for drying. In hospitals and mines, they are used as emergency generators, for example. Gas engines are more and more used in the agricultural sector generating decentralized energy and heat from the farm’s own biogas.

The combination of heat and power achieves high degrees of efficiency. Therefore, many fields of application with autonomously working systems to produce electricity, heating or cooling are possible. Our experience and know-how as well as our hot and cold laboratories pay off, in particular, in innovative applications. These laboratories are a prerequisite for planning and realizing trend-setting projects.
Dungs optimizes the use of innovative gas engines for different types of gas, such as natural gas, biogas or coal gas. We deliver complete gas trains for small CHP units and large cascaded power plants from 1 kWe to 200,000 kWe. After a thorough analysis of the gas, our application engineers recommend customized system solutions and ensure their availability even for the high requirements of biogas or special gas.
An idea on its own is not enough for us. Innovations are not an end in themselves for us. In particular, they have to meet the requirements and offer a direct added value. Therefore, we think “in systems”. For this reason, Dungs has a triple offer:

First of all, a large and systematically structured product portfolio, from the smallest valve to a complex gas control system.

Secondly, we combine electronic, mechanical and information technology to provide exemplary mechatronic systems.

And, thirdly, more service. On request, Dungs provides active support for our partners’ development departments, from brainstorming to cooperation in target-oriented engineering and integrated production and distribution. Our goals: flexible, highly integrated system solutions and common market success.
Excellent engineers and modern laboratories are a prerequisite for tailored gas valves and burner management systems. Dungs laboratories and test equipments are leading in this area. Our gas, mechatronic and production research experts work with zeal to find the flame of the future.

We support our customers’ market success on 14 high-tech test stands connected to a high-performance data recording system. Measurement series, analyses, flow calculations or tests under limit conditions help us to define the correct configuration of holistic burner systems. All in all, this service gives our customers a direct competitive edge: an exemplary reliability, shorter time-to-market cycles and innovative products with added value.
Generally, each Dungs valve is configured for a minimum of one million switching cycles – tested and confirmed in unerring measurement series in our laboratories. This is a multiple of what the standard requires. We do not compromise when it comes to safety.

The modern production in our company stands for high quality standards and efficient and economic processes. This allows us to produce any number of pieces on schedule. In addition to our efficient high-tech production, there is the commitment and know-how of our employees – we are all proud of the success of our products and our customers’ satisfaction.

Quality: the fusion of passion and perfection.
We are present locally for our customers worldwide with our own subsidiaries and independent sales representations in more than 50 countries. The international exchange of experiences guarantees a worldwide network and short distances everywhere. Therefore, we are familiar with all important national standards and can promote product and safety concepts for international use. This is a decisive competitive edge.

The Dungs headquarter is located in Urbach, Baden-Württemberg, Germany. The sites Urbach (D), Sabadell (E) and Shanghai (CN) mainly produce gas controls. In the plants Albershausen (D), Sabadell (E), Birmingham (UK), Moscow (RUS), Blaine (U.S.A.), Shanghai (CN) and Pune (IND) we develop, mount and check gas safety and control systems for process heat, gas engines and heating applications.

Globally active.
Standards are not in use everywhere. But we are trying to change it.

Dungs drive innovations for safety and control technology. Therefore, international standards are important for us. They help us to guarantee a high quality everywhere and at the same time facilitate our customers’ international product development. Therefore, we are an active member in the following boards and technical committees to develop an international body of rules and standards:

**Germany**
- DIN-NHRS – Standard Committee of Heating, Ventilation and Air Conditioning
- VHB – German Controls Manufacturers Association
- BDH – German Heating Industry Association
- Figawa – Association of Companies in the Gas and Water Industries

**Italy**
- Anima/Assoterme – Federation of the Italian Associations of Mechanical and Engineering Industries/Heating System, Component and Equipment Manufacturers

**Europe**
- afecor – European Control Manufacturers Association

**North America**
- ABMA – American Boiler Manufacturers Association
- EGSA – Electrical Generating Systems Association
- LMOP – Landfill Methane Outreach Program
- IHEA – Industrial Heating Equipment Association
- NFPA – National Fire Protection Association
- AIST – Association for Iron & Steel Technology
- CSA – Canadian Standards Association

**Japan**
- JIFMA – Japan Industrial Furnace Manufacturers Association

*As awarded by The Chicago Athenaeum: Museum of Architecture and Design.*
The Dungs Company is managed by Karl Dungs, who continues this family tradition. He converted Dungs into an internationally leading supplier for the heating and process heat industry, specialized in combustion control components and systems. And the story continues, two sons joined the company.

More than 600 employees worldwide work for the DUNGS Group, many of them in Urbach near Schomdorf. Our international patents not only prove our employees’ inventiveness but, in particular, our commitment to customer service. We are on the right track and will follow it successfully.

Our contributions to safe and clean combustion of gas and oil are high-technology products and system solutions for the heating industry, process heat industries, and for the gas engine industry and their packagers.

Our highest priorities are the quality of our products and the close collaboration with our customers.

We want to improve both ourselves and our products. To achieve our goals, we are pursuing innovations that ensure our position as the specialist for gas safety and control technologies.
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