Intelligent pressure control
Getting things done ...

**PressureSensor PS**
- VD-R and PS according to EN 88-3
- Outlet pressure limitation by min./max. pressure switches according to local application requirements

**MBE Pressure Control**
- Temperature compensated electronic pressure regulation
- Adaptive digital control algorithm
- Not affected by ageing
- Excellent repeatability
- Smooth pressure increase during startup
- No internal nozzles, greater tolerance to contamination

One world
One valve

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Next Step!
Next Generation!
MultiBloc® MBE
**MultiBloc® MBE**

**Generation “E”**

**Construction kit: ValveDrive + ValveBody = MBE**

ValveDrive
VD-V

ValveDrive
VD-R or
VD-V

PressureSensor* PS...

ValveBody
VB-...

*only with VD-R

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### MultiBloc®

**PressureSensor**

<table>
<thead>
<tr>
<th>PS ...</th>
<th>Range</th>
</tr>
</thead>
</table>
| PS-50/200 | 2 – 50 kPa  
20 – 500 mbar  
8 – 200” w.c. |
| PS-10/40 | 0.4 – 10 kPa  
4 – 100 mbar  
1.5 – 40” w.c. |
| PS-0 zero governor | 0 ± 0.5 kPa  
0 ± 5 mbar  
0 ± 2” w.c. |

### MultiBloc®

**Generation E**

<table>
<thead>
<tr>
<th>VB-...</th>
<th>Thread Flange</th>
<th>P_max.</th>
</tr>
</thead>
</table>
| VB-050/2 | Rp 1½  
Rp 2  
NPT 1½  
NPT 2 | 60 kPa  
600 mbar  
8 PSI |
| VB-065/2.5 | DN 65  
NPS 2½ | |
| VB-080/3 | DN 80  
NPS 3 | 70 kPa  
700 mbar  
10 PSI |
| VB-100/4 | DN 100  
NPS 4 | |
| VB-125/5 | DN 125  
NPS 5 | |
| VB-150/6 | DN 150  
NPS 6 | |

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**ValveDrive VD**

**Energy efficient and Soft start/Fast shut-off < 1s**

**ValveDrive VD-...**

- **VD-V**
  - Safety shut-off valve works with every burner.

- **VD-R**
  - Safety shut-off valve with integrated pressure regulator, works with every burner control. PressureSensor PS mandatory.

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**ValveDrive VD**

**Features**

<table>
<thead>
<tr>
<th>ValveDrive VD-...</th>
<th>Status LED</th>
<th>Blue LED indicates the energized actuator.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Visual Indicator</td>
<td>Red flag, visible when opening/adjusting</td>
</tr>
<tr>
<td></td>
<td>Proof of closure (POC) switch</td>
<td>All VDs are available with and without POC function.</td>
</tr>
<tr>
<td></td>
<td>Electrical connection</td>
<td>EN 175301-803 plug-connector. Space requirements of oversized connectors are considered.</td>
</tr>
<tr>
<td></td>
<td>Degree of protection</td>
<td>IP 55</td>
</tr>
</tbody>
</table>

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**MultiBloc®**

**MBE-...**
ValveDrive VD

Universal power supply: 100 – 240 VAC @ 50/60 Hz

24 VDC Versions

Fixed opening time
- No temperature impact to regulation
- Electronic controlled behaviour across the whole temperature range

Wide operating temperature range
- Applicable at very low ambient temperatures
- No impact to functional behaviour (e.g. pressure control)

Works at low temperatures
-20 °C / -4 °F to +60 °C / +140 °F

Robust Design
- No regulator spring
- No membrane
- No nozzles
- No oil

ValveDrive VD

- Standard M12, 5 pin connector
- Fits everywhere...

Universal power supply:
100 – 240 VAC @ 50/60 Hz

24 VDC Versions

- red = 115 – 120 VAC @ 60 Hz
- blue = 220 – 240 VAC @ 50/60 Hz
- green = 100 VAC / 50 Hz
- yellow = 200 VAC / 50 Hz