Type KVF- KVF
Double Block and Bleed Unit for Gaseous Media
Electro-Pneumatic Operated

APPLICATION AREA

> Gas firing systems on steam boilers
  acc. to DIN EN12952/12953
> Industrial thermoprocessing equipment
  acc. to DIN EN 746
> Pipe systems for gaseous fuels
  for all industrial sectors

ADVANTAGE

> Closing time < 1 sec
> High safety level through zero leakage
> Heavy duty design for high operating cycles
> High performance valve design for long service life
> Package unit with integrated intermediate venting
APPLICATION
- Automatic operated emergency shutdown device
- In gas pipes in front of burner acc. to DIN EN 12952/12953
- Safety and control device for gas burner
- Automatic shut-off valves in piping systems

TECHNICAL DATA
- Single-seated straight-through globe valves acc. to DIN/EN standard
- Stem sealing acc. to TA-Luft, stainless steel bellow with additional lip seal and connection for tightness test
- Exchangeable plug gasket
- Maintenance-free guide bushing
- Additional sealing force generated through primary pressure loaded onto the valve plug
- Piston actuator with integrated closing spring
- Integrated connection for intermediate venting

CERTIFICATES
EC-Type examination (Modul B) acc. to directive 2014/68/EU
EC-Type examination certificate with product-ident number acc. to gas appliance regulation EU/2016/426 based on:
DIN EN 13611 / DIN EN 161 / DIN EN 16678 / DIN EN 16304
Certificate:
- TA-Luft
  DIN EN ISO 15848-1 VDI 2440
- SIL2 / EN 61508
- Fire-safe
  DIN EN ISO 10497 / API 607 and API 6FA

OPERATING DATA
Media:
- Gaseous fuels acc. to PED 2014/68/EU
- Fuels acc. to G260; gas group 1., 2. and 3
- Other gaseous media
Operating pressure: Max. 40 bar g
Operating temperature: -29 to 180 °C
Ambient temperature: -29 to 80 °C
Control medium: Compressed air at 4-8 bar g
Air quality: acc. to DIN ISO 8573-1
Control voltage: 230 V 50 Hz, 24 V DC
Power: 10.6 VA / 6.8 W
IP Protection Class: IP 65
Mounting position: no restriction
Mounting location: Indoor/Outdoor

OPTION
- Quick-closing valve with integrated control characteristic for soft opening
- Combination with electro-pneumatic positioner for selective flow control

REMARKS
Acc. to DIN EN12952/12953 it is advised to install strainer in front of shut off combination. (Kühme SF / SFY)
Type KVF-KVF

Double Block and Bleed Unit for Gaseous Media
Electro-Pneumatic Operated

DN 15-50 PN 40

**MATERIALS***
- **Body:** P250GH; GP240GH
- **Valve seat:** cladded with 1.4009
- **Plug gasket:** Elastomer
- **Bellow:** 1.4541
- **Stem:** 1.4541
- **Actuator:** Steel/Aluminium
- **Sealing parts:** Elastomer

**ACCESSORIES***

<table>
<thead>
<tr>
<th>QTY</th>
<th>Accessories</th>
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<tbody>
<tr>
<td>2</td>
<td>Quick venting valve</td>
</tr>
<tr>
<td>2</td>
<td>3/2-way solenoid valve, directly actuated, pressure 0 to 8 bar</td>
</tr>
<tr>
<td>4</td>
<td>Limit switch as mechanical cam switch or proximity switch</td>
</tr>
<tr>
<td>2</td>
<td>Protection cover, transparent, for limit switch and optical position indication</td>
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*Other materials and accessories are available on request.

**DIMENSION**

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<thead>
<tr>
<th>DN</th>
<th>L</th>
<th>H</th>
<th>H1</th>
<th>Weight</th>
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<td>15</td>
<td>335</td>
<td>420</td>
<td>243</td>
<td>70</td>
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<tr>
<td>20</td>
<td>375</td>
<td>423</td>
<td>246</td>
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<td>25</td>
<td>395</td>
<td>426</td>
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<td>32</td>
<td>435</td>
<td>434</td>
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<td>40</td>
<td>475</td>
<td>440</td>
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<tr>
<td>50</td>
<td>535</td>
<td>420</td>
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Flange dimensions acc. to EN 1092-1/B1

**PARAMETER**

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<th>Nominal diameter DN</th>
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<th>20</th>
<th>25</th>
<th>32</th>
<th>40</th>
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<tbody>
<tr>
<td>Max. Servicepressure (PSI) in barg at max. 120 °C</td>
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<td>40</td>
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<td>40</td>
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<tr>
<td>Max. Servicepressure (PSI) in barg at max. 180 °C</td>
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<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
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<tr>
<td>Max. Servicepressure (PSI) in barg at -29 °C to &lt; -10 °C</td>
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<td>30</td>
<td>30</td>
<td>30</td>
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<tr>
<td>k_n - value m³/h (max.) (P250GH)</td>
<td>3</td>
<td>5,3</td>
<td>8,6</td>
<td>13</td>
<td>21</td>
<td>37,2</td>
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<tr>
<td>k_n - value m³/h (max.) (GP240GH)</td>
<td>5,3</td>
<td>7,2</td>
<td>12</td>
<td>16</td>
<td>28,5</td>
<td>43</td>
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<tr>
<td>Closing time</td>
<td>&lt; 1 Second</td>
<td></td>
<td></td>
<td></td>
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