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

**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 ANSI standard
- Stem sealing acc. to TA-Luft, stainless steel bellow with additional lip seal and connection for tightness test
- Exchangeable plug gaskets
- Maintenance-free guide bushings
- Additional sealing force generated through primary pressure loaded onto the valve plug
- Piston actuator with integrated closing springs
- Integrated connection for intermediate venting

**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. 20 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

**CERTIFICATES**

EC-Type examination (Modul B)
acc. to directive 2014/68/EU
EC- Type examination certificate
with product-identnumber
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

**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 valve. (Kühme SF / SFY)
safe and reliable
Type KVF-KVF
Double Block and Bleed Unit for Gaseous Media
Electro-Pneumatic Operated

DN ½”-2” ANSI 150 lbs

MATERIALS*

| Body:       | A 216 WCB               |
| Valve seat: | cladded with 1.4551     |
| Plug gasket:| Elastomer               |
| Bellow:     | 1.4541                  |
| Stem:       | 1.4541                  |
| Actuator:   | Steel/Aluminium         |
| Sealing parts: | Elastomer           |

DIMENSION

<table>
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<tr>
<th>ANSI</th>
<th>L</th>
<th>H</th>
<th>H1</th>
<th>Weight</th>
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<tbody>
<tr>
<td>½&quot;</td>
<td>310</td>
<td>420</td>
<td>245</td>
<td>65</td>
</tr>
<tr>
<td>¾&quot;</td>
<td>330</td>
<td>423</td>
<td>245</td>
<td>65</td>
</tr>
<tr>
<td>1&quot;</td>
<td>330</td>
<td>426</td>
<td>250</td>
<td>70</td>
</tr>
<tr>
<td>1 ½&quot;</td>
<td>405</td>
<td>440</td>
<td>265</td>
<td>85</td>
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<tr>
<td>2&quot;</td>
<td>480</td>
<td>420</td>
<td>235</td>
<td>100</td>
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Flange dimensions acc. to ASME B16.5

ACCESSORIES*

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<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.

PARAMETER

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<tr>
<th>Nominal diameter DN</th>
<th>½&quot;</th>
<th>¾&quot;</th>
<th>1&quot;</th>
<th>1 ½&quot;</th>
<th>2&quot;</th>
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<tbody>
<tr>
<td>Max. Service pressure (PS) in bar g at -29°C to 38°C</td>
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<td>19</td>
<td>19</td>
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<td>19</td>
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<tr>
<td>Max. Service pressure (PS) in bar g at max. 180 °C</td>
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<td>14</td>
<td>14</td>
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<td>Rating ANSI Class</td>
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<td>150</td>
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<tr>
<td>kvs - value m³/h [max.]</td>
<td>4</td>
<td>7.1</td>
<td>11</td>
<td>27.9</td>
<td>44</td>
</tr>
<tr>
<td>Closing time</td>
<td>&lt; 1 Second</td>
<td></td>
<td></td>
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