safe and reliable

Type KVII/F
Quick-Closing Valve for Gaseous Media
Electro-Pneumatic Operated

Edition: 05.18
Subject to change without notice

APPLICATION AREA

- Gas firing systems on steam boilers
  acc. to DIN EN12952/12953
- Pipe systems for fluids and gaseous media
  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
**APPLICATION**

- Automatic operated emergency shutdown device
- In gas pipes in front of burner acc. to DIN EN12952/12953
- Safety and control device for gas burner
- Automatic shut-off valve in piping systems

**TECHNICAL DATA**

- Single-seated straight-through globe valve acc. to ANSI 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

**CERTIFICATES**

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

**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. 12 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 valve. (Kühme SF / SFY)
safe and reliable

Type KVII/F
Quick-Closing Valve for Gaseous Media
Electro-Pneumatic Operated

DN 2½”-12” ANSI 300 lbs

DIMENSIONS

<table>
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<tr>
<th>ANSI</th>
<th>max. Operating pressure</th>
<th>Actuator</th>
<th>L</th>
<th>D</th>
<th>H</th>
<th>H1</th>
<th>H2</th>
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<th>Weight</th>
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* Max. Functional pressure with compressed air 4 bar g;
  Flange dimensions acc. to ASME B16.5

PARAMETER

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<th>Nominal diameter DN</th>
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<td>300</td>
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<td>k vs. - value m³/h (max.)</td>
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<td>193</td>
<td>403</td>
<td>716</td>
<td>1087</td>
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<td>Closing time</td>
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ACCESSORIES*

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<tr>
<td>1</td>
<td>Quick venting valve</td>
</tr>
<tr>
<td>1</td>
<td>3/2-way solenoid valve, directly actuated, pressure 0 to 8 bar</td>
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<tr>
<td>2</td>
<td>Limit switch as mechanical cam switch or proximity switch</td>
</tr>
<tr>
<td>1</td>
<td>Protection cover, transparent, for limit switch and optical position indication</td>
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MATERIALS*

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<tr>
<td>Body</td>
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<td>Plug gasket</td>
<td>Elastomer</td>
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<td>Sealing Parts</td>
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* Other materials and accessories are available on request.
Type KVII/F
Quick-Closing Valve for Gaseous Media
Electro-Pneumatic Operated

DN 2½”-12” ANSI 300 lbs

- Body
- O-Ring
- Plug
- Plug gasket
- O-Ring
- O-Ring
- Bonnet
- Stem with bellow
- O-Ring
- Lip seal
- Guide bushing
- Piston tube
- O-Ring
- Compression spring
- O-Ring
- T-DUO Sleeve
- O-Ring
- O-Ring
- O-Ring
- DU-Bushing
- DU-Bushing
- Protection cover
- Limit switch
- 3/2-way solenoid valve
- Quick Venting Valve
- Spares