Type KVII/FD
Quick-Closing Valve in Double Seat Design for Gaseous Media
Electro-Pneumatic Operated

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
- Double seat
safe and reliable

Type KVII/FD
Quick-Closing Valve in Double Seat Design for Gaseous Media
Electro-Pneumatic Operated

DN 200-400 PN 16

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

> Double-seated angle valve 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

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. 1,2 bar g

Operating temperature: -25 to 180 °C

Ambient temperature: -25 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

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

OPTION

> Intermediate venting valve [Type KEV/P] for leakage test
> Additional flange on body as inspection chamber

REMARKS

Acc. to DIN EN12952/12953 it is advised to install strainer in front of shut off valve. (Kühme SF / SFY)
safe and reliable

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Electro-Pneumatic Operated

DN 200-400  PN 16

DIMENSIONS

<table>
<thead>
<tr>
<th>mm</th>
<th>kg</th>
</tr>
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<tbody>
<tr>
<td>DN 200</td>
<td>L</td>
</tr>
<tr>
<td>200</td>
<td>607</td>
</tr>
<tr>
<td>250</td>
<td>775</td>
</tr>
<tr>
<td>300</td>
<td>775</td>
</tr>
<tr>
<td>400</td>
<td>878</td>
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</tbody>
</table>

Flange dimensions acc. to EN 1092-1/B1

PARAMETER

<table>
<thead>
<tr>
<th>Nominal diameter DN</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>400</th>
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</thead>
<tbody>
<tr>
<td>Max. Service pressure (PS) in bar g</td>
<td>1,2</td>
<td>1,2</td>
<td>1,2</td>
<td>1,2</td>
</tr>
<tr>
<td>Closing time</td>
<td>&lt; 1 Second</td>
<td></td>
<td></td>
<td></td>
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ACCESSORIES*

<table>
<thead>
<tr>
<th>QTY</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<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>
</tr>
</tbody>
</table>

MATERIALS*

Body: P265GH  
Valve seat: NIRO-Steel  
Plug gasket: Elastomer  
Bellow: 1.4571  
Stem: 1.4021  
Actuator: Steel/Aluminium  
Sealing parts: Elastomer

* Other materials and accessories are available on request.