Type K7II/HF-K7II/HF
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
safe and reliable
Type KVII/HF-KVII/HF
Double Block and Bleed Unit for Gaseous Media
Electro-Pneumatic Operated

DN 65-300 PN 40

APPLICATION
> Automatic operated emergency shutdown device
> In pipelines 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
> Piston actuator with integrated closing spring
> Control element pressure-balanced to allow higher pressure
> 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. 16 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 position:
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

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)
safe and reliable
Type KVII/HF-KVII/HF
Double Block and Bleed Unit for Gaseous Media
Electro-Pneumatic Operated

DN 65-300 PN 40

TYPE A
Intermediate Venting Left Hand / Right Hand arrangement

TYPE B
Intermediate Venting Compact arrangement

DIMENSIONS

<table>
<thead>
<tr>
<th>bar g</th>
<th>mm</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN</td>
<td>Max. Operating pressure*</td>
<td>L</td>
</tr>
<tr>
<td>65</td>
<td>16</td>
<td>580</td>
</tr>
<tr>
<td>80</td>
<td>10</td>
<td>620</td>
</tr>
<tr>
<td>100</td>
<td>16</td>
<td>700</td>
</tr>
<tr>
<td>125</td>
<td>16</td>
<td>800</td>
</tr>
<tr>
<td>150</td>
<td>16</td>
<td>960</td>
</tr>
<tr>
<td>200</td>
<td>16</td>
<td>1200</td>
</tr>
<tr>
<td>250</td>
<td>10</td>
<td>1460</td>
</tr>
<tr>
<td>300</td>
<td>10</td>
<td>1700</td>
</tr>
</tbody>
</table>

*Max. Functional pressure with compressed air 4 bar g; Flange dimensions acc. to EN 1092-1/81

MATERIALS*

Body: GP240GH
Valve seat: cladded with 1.4551
Plug gasket: Elastomer
Bellow: 1.4541
Stem: 1.4021
Actuator: Steel/Aluminium
Sealing parts: Elastomer

* Other materials and accessories are available on request.

ACCESSORIES*

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

PARAMETER

<table>
<thead>
<tr>
<th>Nominal diameter DN</th>
<th>65</th>
<th>80</th>
<th>100</th>
<th>125</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Service pressure [PS] in bar a</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>In - value m³/h [max.]</td>
<td>75</td>
<td>105</td>
<td>170</td>
<td>270</td>
<td>405</td>
<td>675</td>
<td>1090</td>
<td>1460</td>
</tr>
<tr>
<td>Closing time</td>
<td>&lt; 1 Second</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
safe and reliable

Type KVII/HF-KVII/HF

Double Block and Bleed Unit for Gaseous Media

Electro-Pneumatic Operated

DN 65-300  PN 40