**APPLICATION AREA**

- Gas firing systems on steam boilers
  acc. to DIN EN12952/12953
- Industrial thermoprocessing equipment
  acc. to DIN EN 746
- 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
Type KVII/F
Quick-Closing Valve for Gaseous Media
Electro-Pneumatic Operated

DN 65-300 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

> Single-seated straight-through globe 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

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
Certificate:

> TA-Luft
DIN EN ISO 15848-1
VDI 2440
> SIL 2 / 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 65-300 PN 16

DIMENSIONS

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*Max. Functional pressure with compressed air 4 barg;
Flange dimension acc. to EN 1092-1/B1;

PARAMETER

Nominal diameter DN: 65 80 100 125 150 200 250 300
Max. Service pressure (PS) in barg: 12 12 12 6 6 6 3 2
Kf – value m³/h [max.]: 75 105 170 270 405 675 1090 1460
Closing time: < 1 Second

ACCESSORIES*

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<tr>
<th>QTY</th>
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<tr>
<td>1</td>
<td>Quick venting valve</td>
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<tr>
<td>3</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>
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<td>1</td>
<td>Protection cover, transparent, for limit switch and optical position indication</td>
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</table>

MATERIALS*

Body: GP240GH
Valve seat: cladded with 1.4551
Plug gasket: Elastomer
Bellow: 1.6541
Stem: 1.4021
Actuator: Steel/Aluminium
Sealing parts: Elastomer

* Other materials and accessories are available on request.
Safe and reliable

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10.10  Body
* 10.40  O-Ring
10.50  Plug
* 10.50.60  Plug gasket
* 15.30  O-Ring
* 20.05  O-Ring
20.15  Bonnet
* 20.30  Stem with bellow
* 20.40  O-Ring
* 20.50  Lip seal
20.60  Guide bushing
30.30  Piston tube
* 30.55  O-Ring
* 30.70  Compression spring
* 30.110  O-Ring
* 30.120  T-DUO Sleeve
* 30.130  O-Ring
* 30.140  O-Ring
* 30.150  O-Ring
30.160  DU-Bushing
30.170  DU-Bushing
* 40.10  Protection cover
* 40.20  Limit switch
* 50.10  3/2-way solenoid valve

Spares