Type KVH
Quick-Closing Turbine-Valve 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 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
safe and reliable

Type KVH

Quick-Closing Turbine-Valve for Gaseous Media
Electro-Pneumatic Operated

DN 65-300 PN 40

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, automatic sealing set with additional lip seal and connection for tightness test
> Exchangeable plug gasket
> Maintenance-free guide bushing
> Control element pressure-balanced to allow higher pressure
> 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. 40 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

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
> 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

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Quick-Closing Turbine-Valve for Gaseous Media
Electro-Pneumatic Operated

DN 65-300 PN 40

DIMENSIONS

<table>
<thead>
<tr>
<th>mm</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN</td>
<td>L</td>
</tr>
<tr>
<td>65</td>
<td>290</td>
</tr>
<tr>
<td>80</td>
<td>310</td>
</tr>
<tr>
<td>100</td>
<td>350</td>
</tr>
<tr>
<td>125</td>
<td>400</td>
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<tr>
<td>150</td>
<td>480</td>
</tr>
<tr>
<td>200</td>
<td>600</td>
</tr>
<tr>
<td>250</td>
<td>730</td>
</tr>
<tr>
<td>300</td>
<td>850</td>
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</tbody>
</table>

Flange dimensions acc. to EN 1092-1/B1

PARAMETER

Nominal diameter DN

<table>
<thead>
<tr>
<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>
</table>
| Max. Service pressure (PSI) in bar at max. 120 °C
| 40  | 40  | 40  | 40  | 40  | 40  | 40  |
| Max. Service pressure (PSI) in bar at max. 180 °C
| 35  | 35  | 35  | 35  | 35  | 35  | 35  |
| kₘₖ-value m³/h (max.)
| 75  | 105 | 170 | 270 | 405 | 675 | 1090| 1460|

Closing time: < 1 Second

MATERIALS*

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

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>

* Other materials and accessories are available on request.