Type KVH-GT

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

APPLICATION AREA

> Gas Turbines for the petroleum, chemical and gas industry service acc. to API 616

ADVANTAGE

> Closing time < 0.1 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-GT

Quick-Closing Turbine-Valve for Gaseous Media

Electro-Pneumatic Operated

DN 2”-14” ANSI 600 lbs

APPLICATION

> Automatic operated emergency shutdown device
> In gas pipes systems in front of gas turbines

TECHNICAL DATA

> Single-seated straight-through globe valve acc. to ANSI standard
> Stem sealing acc. to TA-Luft, automatic seal set and connection for tightness test
> Exchangeable plug gasket
> Maintenance-free guide bushing
> Piston actuator with integrated closing springs
> Control element pressure-balanced to allow higher pressure

CERTIFICATES

EC-Type examination (Modul B)
acc. to directive 2014/68/EU

based on:
DIN EN 13611 / DIN EN 161 / DIN EN 16678

Certificate: > SIL2 / EN 61508

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. 70 bar g

Operating temperature: -15 to 260 °C

Ambient temperature: -15 to 80 °C

Control medium: Compressed air at 6-10 bar g

Air quality: acc. to DIN ISO 8573-1

Control voltage: 230 V, 50 Hz, 24 V DC

Power: 5.3 VA / 3.9 W

IP Protection Class: IP 66

Mounting position: Vertical in horizontal pipe

Mounting location: Indoor

OPTION

> Quick-closing valve with integrated control characteristic for soft opening
Safe and reliable

Type KVH-GT

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Electro-Pneumatic Operated

DN 2"-14" ANSI 600 lbs

DIMENSIONS

<table>
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<tr>
<th>ANSI</th>
<th>L</th>
<th>D</th>
<th>H</th>
<th>H₁</th>
<th>H₂</th>
<th>A₁</th>
<th>A₂</th>
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Flange dimensions acc. to ASME B16.5

PARAMETER

Nominal diameter DN

kᵥ - value m³/h (max.)

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<th>2&quot;</th>
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<th>4&quot;</th>
<th>6&quot;</th>
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<td>2200</td>
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Closing time: < 0.1 Second

Control Air Connection

- G 1/2 "
- G 3/4 "
- DN 15 (Pipe Ø18x1.5)
- DN 20 (Pipe Ø22x1.5)

ACCESSORIES*

<table>
<thead>
<tr>
<th>QTY</th>
<th>Accessories</th>
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<tbody>
<tr>
<td>1</td>
<td>Filter pressure reducer (adjusted to 6.0 bar g)</td>
</tr>
<tr>
<td>1</td>
<td>3/2-way NAMUR pilot solenoid valve</td>
</tr>
<tr>
<td>1</td>
<td>3/2-way pneumatic seat valve (&quot;BOOSTER&quot;)</td>
</tr>
<tr>
<td>1</td>
<td>Quick-Venting valve Type: SEV</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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</table>

MATERIALS*

- Body: A 216 WCB
- Valve seat: 1.4057
- Plug gasket: Steel/PTFE
- Stem: 1.4021
- Actuator: Steel/Aluminium
- Piston sealing: Elastomer

* Other materials and accessories are available on request.