



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV angle valve

Series 264, DN 25 (ID 1")

Ordering No. 26428-KA21-0001

Description

| | |
|-------------|---|
| Flange | ISO-KF 25 |
| Actuator | Pneumatic, single acting with closing spring – without solenoid valve – with position indicator “open” and “closed” |
| Feedthrough | Bellows |

Technical data

| | | |
|--|--|--|
| Leak rate | – Valve body – Valve seat | $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ |
| Pressure range | | $1 \cdot 10^{-8}$ mbar to 5 bar (abs) |
| Differential pressure on the plate | – In opening direction – In closing direction | ≤ 2 bar ≤ 5 bar |
| Differential pressure at opening | | ≤ 1 bar |
| Conductance (molecular flow) | | 14 ls ⁻¹ |
| Closing time | | ≤ 0.2 sec. |
| Cycles until first service (Tmax 80 °C, under clean conditions) | | 3 million |
| Temperature (Maximum values: depending on operating conditions and sealing materials) | – Valve body – Actuator – Position indicator | ≤ 150 °C ≤ 120 °C ≤ 80 °C |
| Material | – Valve body – Actuator – Plate – Bellows | Aluminum (EN AW-6060) Aluminum AISI 316L (1.4404) AISI 316L (1.4404, 1.4435) AISI 316 Ti (1.4571) |
| Seal | – Bonnet O-ring – Plate O-ring – Actuator O-ring | FKM (Viton®) FKM (Viton®) FKM (Viton®) |
| Weight | | 0.44 kg / 0.97 lbs |
| Mounting position | | any |
| Volume of pneumatic actuator | | 0.011 l / 0.0004 ft ³ |
| Compressed air min. – max. overpressure | | 4 – 8 bar / 58 – 116 psi |
| Compressed air connection | | M5 female (10-32 UNF suitable) |

| | | |
|------------------|--------------------------|-----------------|
| Created by: WARO | Release date: 22.04.2014 | 1/2 |
| Modified by: | Release date: | 746381EA |



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Behavior in case of compressed air pressure drop

- Valve closed
- Valve opened
- During actuation

valve remains closed and leaktight
valve closes leaktight
valve closes leaktight

Behavior in case of power failure

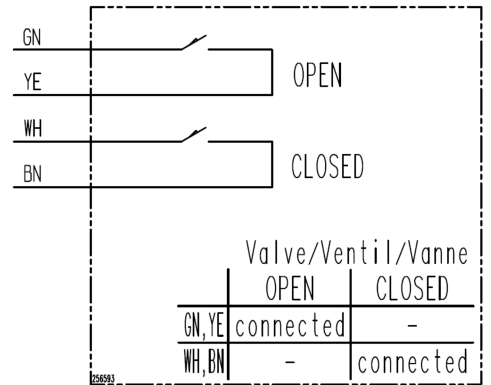
- Valve closed
- Valve opened
- During actuation

depending on customer installation
depending on customer installation
depending on customer installation

Electrical connections

Position indicator

| | |
|-------------------------|----------------------|
| Type | Micro switch |
| Voltage | ≤ 50 V AC / DC |
| Current | 5 – 100 mA |
| Short circuit protected | No |
| Connection | Cable, 4 wires |
| Cable length | 500 mm |
| Cable cross section | 0.25 mm ² |



Wiring diagram

| | | |
|------------------|--------------------------|----------|
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