



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV angle valve
Series 264, DN 63 (ID 2 1/2")
Ordering No. 26436-QE31-0003

Description

| | |
|-------------|---|
| Flange | ISO-K 63 |
| Actuator | Pneumatic, single acting with closing spring – with solenoid valve – without position indicator |
| 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 4 bar (abs) |
| Differential pressure on the plate | – In opening direction – In closing direction | ≤ 1.2 bar ≤ 4 bar |
| Differential pressure at opening | | ≤ 1 bar |
| Conductance (molecular flow) | | 160 ls ⁻¹ |
| Closing time | | ≤ 0.7 sec. |
| Cycles until first service (T _{max} 80 °C, under clean conditions) | | 3 million |
| Temperature (Maximum values: depending on operating conditions and sealing materials) | – Valve body – Actuator – Solenoid valve | ≤ 150 °C ≤ 120 °C ≤ 80 °C |
| Material | – Valve body – Actuator – Plate – Bellows | AISI 316L (1.4404) 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 | | 3.60 kg / 7.936 lbs |
| Mounting position | | any |
| Volume of pneumatic actuator | | 0.112 l / 0.0040 ft ³ |
| Compressed air min. – max. overpressure | | 4 – 8 bar / 58 – 116 psi |
| Compressed air connection | | G1/8" female |

| | | |
|------------------|--------------------------|-----------------|
| Created by: WARO | Release date: 11.06.2014 | 1/2 |
| Modified by: | Release date: | 753594EA |



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| | | |
|--|--------------------|------------------------------------|
| Behavior in case of compressed air pressure drop | - Valve closed | valve remains closed and leaktight |
| | - Valve opened | valve closes leaktight |
| | - During actuation | valve closes leaktight |

| | | |
|-----------------------------------|--------------------|------------------------------------|
| Behavior in case of power failure | - Valve closed | valve remains closed and leaktight |
| | - Valve opened | valve closes leaktight |
| | - During actuation | valve closes leaktight |

Electrical connections

Solenoid valve

| | |
|-----------|--|
| Type | 3/2-way |
| Voltage | See solenoid |
| Power | See solenoid |
| Connector | Rectangle plug, Type B (DIN standard) |
| Cable | Ø6 – 8 mm |

