

Product data sheet

HV angle valve Series 264, DN 160 (ID 6") Ordering No. 26444-QA21-0001

Description

Flange ISO-K 160

Actuator Pneumatic, single acting with closing spring

without solenoid valvewith position indicator

Feedthrough Bellows

Technical data

Leak rate - Valve body $< 1 \cdot 10^{-9}$ mbar Is⁻¹ - Valve seat $< 1 \cdot 10^{-9}$ mbar Is⁻¹

Pressure range $1 \cdot 10^{-8}$ mbar to 2 bar (abs)

Differential pressure on the plate - In opening direction ≤ 1.2 bar

- In closing direction ≤ 2 bar

Differential pressure at opening ≤ 1 bar [1 bar with reduced number of cycles]

Conductance (molecular flow) 1000 Is⁻¹

Actuation time - Closing \leq 1.5 sec. - Opening \leq 1.5 sec.

Cycles until first service 1 million

(tested at room temp. under clean and static vacuum

conditions)

Temperature - Valve body ≤ 150 °C (Maximum values: depending on operating conditions and - Position indicator ≤ 80 °C ≤ 80 °C

sealing materials)

Material – Valve body Aluminum (EN AC-42000)

ActuatorAluminum

- Plate AISI 316L (1.4404) - Bellows AISI 316 Ti (1.4571)

Seal – Bonnet O-ring FKM (Viton®)

Plate O-ringActuator O-ringFKM (Viton®)FKM (Viton®)

Weight 14 kg / 31 lbs

Mounting position any

Volume of pneumatic actuator 0.65 I / 0.023 ft³

Compressed air 4.5 – 7 bar / 65 – 102 psi

min. - max. overpressure

Compressed air connection 1/8" ISO/NPT female

Behavior in case of compressed — Valve closed — Valve remains closed and leaktight

air pressure drop – Valve opened Valve closes leaktight

During actuation
Valve closes leaktight

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Behavior in case of power failure

Valve closedValve opened

Valve remains closed and leaktight Depending on customer installation

During actuation

Depending on customer installation

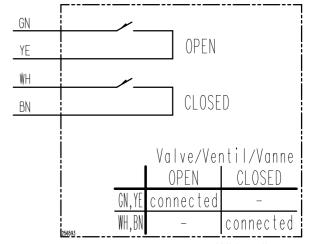
Electrical connection

Position indicator

Type Micro switch Voltage $\leq 50 \text{ V AC / DC}$ Current 5...100 mA

Short circuit protected No

Connectioncable, 4 wireCable length500 mmWire cross section0.25 mm²



Wiring diagram

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