

Product data sheet HV angle valve

Series 264, DN 100 (ID 4'') Ordering No. 26440-QA21-0001

Description

Flange		ISO-K 100
Actuator		Pneumatic, single acting with closing spring – without solenoid valve – with position indicator
Feedthrough		Bellows
Technical data		
Leak rate	– Valve body – Valve seat	< 1 · 10 ⁻⁹ mbar ls ⁻¹ < 1 · 10 ⁻⁹ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-8}$ mbar to 2 bar (abs)
Differential pressure on the plate	 In opening direction In closing direction 	≤ 1.2 bar ≤ 2 bar
Differential pressure at opening		\leq 1 bar [1 bar with reduced number of cycles]
Conductance (molecular flow)		440 ls ⁻¹
Actuation time	 Closing Opening 	≤ 1 sec. ≤ 1 sec.
Cycles until first service (tested at room temp. under clean and static vacuum conditions)		1 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 AC-42000) Aluminum AISI 316L (1.4404) AISI 316 Ti (1.4571)
Seal	– Bonnet O-ring – Plate O-ring – Actuator O-ring	FKM (Viton®) FKM (Viton®) FKM (Viton®)
Weight		9 kg / 20 lbs
Mounting position		any
Volume of pneumatic actuator		0.3 I / 0.01 ft ³
Compressed air min. – max. overpressure		4.5 – 7 bar / 65 – 102 psi
Compressed air connection		⅓" ISO/NPT female
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

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Behavior in case of power failure

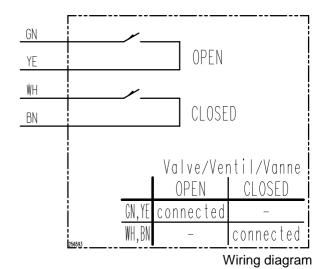
- Valve closed
- Valve opened – During actuation

Valve remains closed and leaktight Depending on customer installation Depending on customer installation

Electrical connection

Position indicator

Туре	Micro switch
Voltage	≤ 50 V AC / DC
Current	5100 mA
Short circuit protected	No
Connection	cable, 4 wire
Cable length	500 mm
Wire cross section	0.25 mm²



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