



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV angle valve

Series 264, DN 80 (ID 3")

Ordering No. 26438-QA31-0002

Description

Flange	ISO-K 80
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)		200 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	Aluminum (EN AC-42100S) Aluminum AISI 316L (1.4435 ESU) 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		3.45 kg / 7.606 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

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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

