



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

### HV angle valve

Series 264, DN 80 (ID 3")

Ordering No. 26438-QA11-0002

### Description

Flange	ISO-K 80
Actuator	Pneumatic, single acting with closing spring – without solenoid valve – without position indicator
Feedthrough	Bellows

### Technical data

Leak rate	– Valve body – Valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup> $< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-8}$ mbar to 4 bar (abs)
Differential pressure on the plate	– In opening direction – In closing direction	$\leq 1.2$ bar $\leq 4$ bar
Differential pressure at opening		$\leq 1$ bar
Conductance (molecular flow)		200 ls <sup>-1</sup>
Closing time		$\leq 0.7$ 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	$\leq 150$ °C $\leq 120$ °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		3.25kg / 7.165 lbs
Mounting position		any
Volume of pneumatic actuator		0.112 l / 0.0040 ft <sup>3</sup>
Compressed air min. – max. overpressure		4 – 8 bar / 60 – 115 psi
Compressed air connection		Female 1/8" (ISO/NPT)

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Behavior in case of compressed air pressure drop	<ul style="list-style-type: none"><li>- Valve closed</li><li>- Valve opened</li><li>- During actuation</li></ul>	<ul style="list-style-type: none"><li>valve remains closed and leaktight</li><li>valve closes leaktight</li><li>valve closes leaktight</li></ul>
Behavior in case of power failure	<ul style="list-style-type: none"><li>- Valve closed</li><li>- Valve opened</li><li>- During actuation</li></ul>	<ul style="list-style-type: none"><li>valve remains closed and leaktight</li><li>depending on customer installation</li><li>depending on customer installation</li></ul>

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