



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV angle valve**  
**Series 264, DN 16 (ID 5/8")**  
**Ordering No. 26424-KE31-0001**

### Description

Flange	ISO-KF 16
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 <sup>-1</sup> $< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-8}$ mbar to 5 bar (abs)
Differential pressure on the plate	– In opening direction – In closing direction	$\leq 2$ bar $\leq 5$ bar
Differential pressure at opening		$\leq 1$ bar
Conductance (molecular flow)		5 ls <sup>-1</sup>
Closing time		$\leq 0.1$ sec.
Cycles until first service (T <sub>max</sub> 80 °C, under clean conditions)		3 million
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Actuator – Solenoid valve	$\leq 150$ °C $\leq 120$ °C $\leq 80$ °C
Material	– Valve body – Actuator – Plate – Bellows	AISI 304 (1.4301) 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		0.42 kg / 0.926 lbs
Mounting position		any
Volume of pneumatic actuator		0.004 l / 0.0001 ft <sup>3</sup>
Compressed air min. – max. overpressure		4 – 8 bar / 58 – 116 psi
Compressed air connection		M5 female (10-32 UNF suitable)

Created by: WARO	Release date: 11.04.2014	1/2
Modified by:	Release date:	<b>745490EA</b>



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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

Behavior in case of power failure

- Valve closed
- Valve opened
- During actuation

valve remains closed and leaktight  
valve closes leaktight  
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

