



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

### HV inline valve

**Series 265, DN 80 (ID 3")**

**Ordering No. 26538-QA21-0001**

### Description

Flange	ISO-K 80
Actuator	Pneumatic, single acting with closing spring – without solenoid valve – with 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 – Position indicator	$\leq 150$ °C $\leq 120$ °C $\leq 80$ °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		3.75kg / 8.267 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

- Valve closed
- Valve opened
- During actuation

valve remains closed and leaktight  
valve closes leaktight  
valve closes leaktight

Behavior in case of power failure

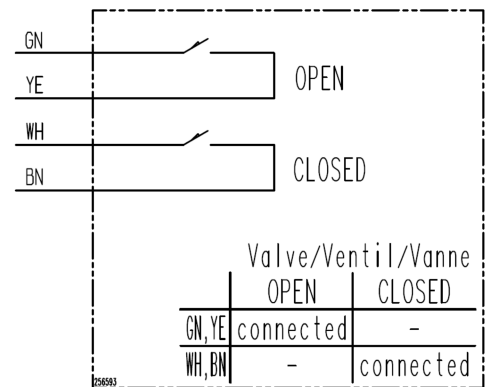
- Valve closed
- Valve opened
- During actuation

valve remains closed and leaktight  
depending on customer installation  
depending on customer installation

## Electrical connections

### Position indicator

Type	Micro switch
Voltage	≤ 50 V AC / DC
Current	5 – 100 mA
Short circuit protected	No
Connection	Cable, 4 wires
Cable length	500 mm
Cable cross section	0.25 mm <sup>2</sup>



Wiring diagram