



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Pendulum valve, Series 162, DN 320 (ID 12")
Ordering No. 16250-PA28

Description

Flange	ISO-F 320
Actuator	– 3-position pneumatic with closing spring (NC) – with position indicator
Feedthrough	Rotary feedthrough

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 1.2 bar (abs)
Differential pressure on the gate		≤ 1.2 bar
Differential pressure at opening		≤ 5 mbar
Conductance (molecular flow)		32 600 ls ⁻¹
Minimum conductance (molecular flow) 3 rd position		54 ls ⁻¹
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Actuator – Position indicator	≤ 120 °C ≤ 80 °C ≤ 80 °C
Heating and cooling rate		≤ 30 °C h ⁻¹
Material	– Valve body, gate, sealing ring – Feedthrough	EN AW-5083 (3.3547), EN AW-6082 (3.2315) AISI 303 (1.4305), AISI 304 (1.4301)
Seal	– Bonnet – Gate, dynamic – Feedthrough	FKM (Viton®) FKM (Viton®) FKM (Viton®)
Mounting position		any
Volume of pneumatic actuator		0.55 l / 0.020 ft ³
Compressed air min. – max. overpressure		5 – 7 bar / 73 – 102 psi
Compressed air connection		M5 (10-32 UNF suitable)
Actuation time	– closing – opening	5 s 5 s
Weight		56 kg / 123.5 lbs

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Behavior in case of compressed air pressure drop – Valve closed
– Valve open

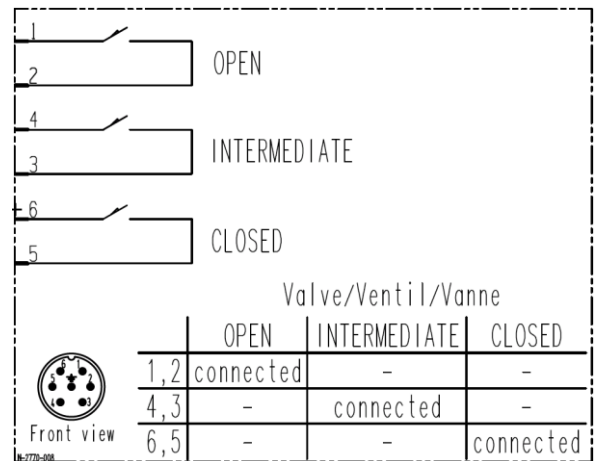
valve remains closed
valve closes

Behavior in case of power failure – Valve closed
– Valve open

depending on customer installation
depending on customer installation

Position indicator

Type Micro switch
Voltage ≤ 50 V AC
Current max. ≤ 1.2 A



Wiring diagram