



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Pendulum valve, Series 162, DN 550 (ID 22'')
Ordering No. 16255-JA28

Description

Flange	JIS 550
Actuator	– 3-position pneumatic, single acting, 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		$1 \cdot 10^{-7}$ mbar to 1.2 bar (abs)
Differential pressure on the gate		
– in closing direction		≤ 1.2 bar
– in opening direction		≤ 1.2 bar
Differential pressure at opening		
– in closing direction		≤ 5 mbar
– in opening direction		≤ 5 mbar
Conductance (molecular flow)		135 000 ls ⁻¹
Cycles until first service		200 000
Temperature	– Valve body – Actuator – Position indicator – Solenoid	≤ 120 °C ≤ 50 °C ≤ 50 °C ≤ 50 °C
(Maximum values: depending on operating conditions and sealing materials)		
Heating and cooling rate		≤ 30 °C h ⁻¹
Material	– Valve body, gate Sealing ring, feedthrough	EN AC– 42100 (3.2371), EN AW – 5083 (3.3547), EN AW 6082 (3.2315) AISI 304 (1.4301)
Seal	– Bonnet – Gate, dynamic – Feedthrough – Actuator	– FKM (Viton®) – FKM (Viton®) – FKM (Viton®) – FKM (Viton®) / NBR
Mounting position		any
Volume of pneumatic actuator		1.4 l / 0.0496 ft ³
Volume of 3th position pneumatic actuator		0.7 l / 0.0248 ft ³
Compressed air min. – max. overpressure		5 – 7 bar / 73 – 102 psi
Compressed air connection		M5 (10-32 UNF suitable)
Required air flow		>60 slm
Actuation time	– closing – opening	15 s 15 s
Weight		119 kg / 262 lbs

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