



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Mini Vakuum gate valve, Series 012, DN 16 (ID 5/8")
Ordering No. 01224-KA14

Description

Flange	ISO-KF 16
Actuator	pneumatic, double acting
Feedthrough	Shaft feed through

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
	– Valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-7}$ mbar to 1 bar (abs)
Differential pressure on the gate		≤ 1 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		10 ls ⁻¹
Cycles until first service		50 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve Body	≤ 100 °C
	– Actuator	≤ 80 °C
Heating and cooling rate		≤ 30 °C h ⁻¹
Material	– Valve Body	EN AW – 6082 (3.2315)
	– Gate	AISI 304 (1.4301)
Seal	– Bonnet	FKM (Viton®)
	– Gate	FKM (Viton®), vulcanized
	– Actuator	FKM (Viton®)
Mounting position		any
Volume of pneumatic actuator		0.01 l / 0.0004 ft ³
Compressed air min. – max. overpressure		4.5 – 7 bar / 65 – 100 psi
Compressed air connection		M 5 (10-32 UNF)
Actuation time	– closing	0.8 s
	– opening	0.8 s
Weight		0.2 kg / 0.45 lbs
Behavior in case of compressed air pressure drop	– Valve closed	valve remains closed
	– Valve open	depending on customer installation
Behavior in case of power failure	– Valve closed	depending on customer installation
	– Valve open	depending on customer installation

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