



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Mini UHV gate valve, Series 010, DN 16 (ID 5/8")
Ordering No. 01024-KE01

Description

Flange	ISO-KF 16
Actuator	manual
Feedthrough	Bellows

Technical data

Leak rate	– Valve body – Valve seat	$< 5 \cdot 10^{-10} \text{ mbar ls}^{-1}$ $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-10} \text{ mbar to 2 bar (abs)}$
Differential pressure on the gate		$\leq 2 \text{ bar}$
Differential pressure at opening		$\leq 30 \text{ mbar}$
Conductance (molecular flow)		9 ls^{-1}
Cycles until first service		50 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve Body – Actuator	$\leq 250 \text{ °C open} / \leq 200 \text{ °C closed (bake-out max. 24h)}$ $\leq 250 \text{ °C}$
Heating and cooling rate		50 °C h^{-1}
Material	– Valve Body – Gate – Bellows	AISI 304 (1.4301), AISI 316L (1.4435) AISI 304 (1.4301), AISI 316L (1.4404, 1.4435)
Seal	– Bonnet – Gate	metal FKM (Viton®), vulcanized
Mounting position		any
Weight		1.5 kg / 3.3 lbs

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