



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Mini Vakuum gate valve, Series 012, DN 40 (ID 1½")
Ordering No. 01232-KA06

Description

Flange	ISO-KF 40
Actuator	manual
Feedthrough	Shaft feed through

Technical data

Leak rate	- Valve body	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
	- Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-7} \text{ mbar to 1 bar (abs)}$
Differential pressure on the gate		$\leq 1 \text{ bar}$
Differential pressure at opening		$\leq 30 \text{ mbar}$
Conductance (molecular flow)		140 ls^{-1}
Cycles until first service		50 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve Body	$\leq 100 \text{ }^{\circ}\text{C}$
	- Actuator	$\leq 80 \text{ }^{\circ}\text{C}$
Heating and cooling rate		$30 \text{ }^{\circ}\text{C h}^{-1}$
Material	- Valve Body	EN AW-6082 (3.2315)
	- Gate	AISI 301 (1.4310)
Seal	- Bonnet	FKM (Viton [®])
	- Gate	FKM (Viton [®]), vulcanized
Mounting position		any
Weight		0.7 kg / 1.5 lbs

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