



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Mini Vakuum gate valve, Series 012, DN 50 (ID 2")
Ordering No. 01234-KA06

Description

Flange	ISO-KF 50
Actuator	manual
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)		260 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 301 (1.4310)
Seal	- Bonnet	FKM (Viton®)
	- Gate	FKM (Viton®), vulcanized
Mounting position		any
Weight		1 kg / 2.2 lbs

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