



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum gate valve, Series 08.1, DN 63 (ID 2½")
Ordering No. 08136-FA03

Description

Flange	DN 63 Flat flanges with O-ring grooves
Actuator	manual – push rod
Feedthrough	Shaft feedthrough

Technical data

Leak rate	– Valve body – Valve seat	$< 5 \cdot 10^{-9} \text{ mbar ls}^{-1}$ $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-7} \text{ mbar}$ to 1.6 bar (abs)
Differential pressure on the gate		$\leq 1.6 \text{ bar}$
Differential pressure at opening		$\leq 30 \text{ mbar}$
Conductance (molecular flow)		1000 ls^{-1}
Cycles until first service		200 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve Body – Actuator	$\leq 120 \text{ }^{\circ}\text{C}$ $\leq 80 \text{ }^{\circ}\text{C}$
Heating and cooling rate		$50 \text{ }^{\circ}\text{C h}^{-1}$
Material	– Valve Body – Mechanism	EN AW-5083 (3.3547), EN AW-6061 (3.3211) AISI 304 (1.4301)
Seal	– Bonnet – Gate – Shaft feedthrough	FKM (Viton®) FKM (Viton®) FKM (Viton®)
Mounting position		any
Weight		2.2 kg / 4.9 lbs

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