



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**Vacuum gate valve, Series 08.1, DN 100 (ID 4")**  
**Ordering No. 08140-FA03**

### Description

Flange	DN 100 Flat flanges with O-ring grooves
Actuator	manual – push rod
Feedthrough	Shaft feedthrough

### Technical data

Leak rate	– Valve body – Valve seat	$< 5 \cdot 10^{-9}$ mbar ls <sup>-1</sup> $< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-7}$ mbar to 1.6 bar (abs)
Differential pressure on the gate		$\leq 1.6$ bar
Differential pressure at opening		$\leq 30$ mbar
Conductance (molecular flow)		3800 ls <sup>-1</sup>
Cycles until first service		200 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve Body – Actuator	$\leq 120$ °C $\leq 80$ °C
Heating and cooling rate		50 °C h <sup>-1</sup>
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		3.2 kg / 7.1 lbs

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