



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum gate valve, Series 121, DN 63 (ID 2 1/2")
Ordering No. 12136-PA03

Description

Flange	ISO-F 63
Actuator	manual
Feedthrough	Shaft feedthrough

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 1.6 bar (abs)
Differential pressure on the gate		≤ 1.6 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		550 ls ⁻¹
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	≤ 120 °C
	- Actuator	≤ 80 °C
Heating and cooling rate		30 °C h ⁻¹
Material (main components)	- Valve body	EN AW-5083 (3.3547), -6061 (3.3211)
	- Mechanism	AISI 304 (1.4301)
Seal	- Bonnet	FKM (Viton®)
	- Gate	FKM (Viton®), O-ring
	- Actuator	FKM (Viton®), NBR (BUNA N®)
Mounting position		any
Weight		3 kg / 7 lbs

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