



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**Vacuum gate valve, Series 121, DN 200 (ID 8'')**  
**Ordering No. 12146-PA01**

### Description

Flange	ISO-F 200
Actuator	manual
Feedthrough	Shaft feedthrough

### Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
	– Valve seat	$< 1 \cdot 10^{-9}$ 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)		12 000 ls <sup>-1</sup>
Cycles until first service		5 000 (unheated and under clean conditions)
Temperature	– Valve body	$\leq 120$ °C
(Maximum values: depending on operating conditions and sealing materials)	– Actuator	$\leq 80$ °C
Heating and cooling rate		30 °C h <sup>-1</sup>
Material (main components)	– Valve body	EN AW-42100 (3.2371)
	– Mechanism	EN AW-6082 (3.2315)
Seal	– Bonnet	FKM (Viton®)
	– Gate	FKM (Viton®), O-ring
Mounting position		any

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