



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

PRODUCT DATA SHEET No. 284128EA

High Vacuum Gate Valve, Series 14, DN 200

Ordering No. 14046-PE44-0006

Description

Flange	ISO-F flanges
Actuator	Pneumatic actuator
Feedthrough	Rotary feedthrough

Technical data

Leak rate	
- To the outside	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
- Seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Molecular flow conductance	$12'000 \text{ ls}^{-1}$
Pressure range	$1 \cdot 10^{-8} \text{ mbar}$ to 2,0 bar (abs)
Cycles until first service	200'000
Bake-out temperature	
- Valve	$\leq 150^{\circ}\text{C}$
- Actuator	$\leq 50^{\circ}\text{C}$
- Solenoid	$\leq 50^{\circ}\text{C}$
- Position indicator	$\leq 80^{\circ}\text{C}$
Heating and cooling rate	$\leq 50^{\circ}\text{C h}^{-1}$
Material	
- Body	1.4301, AISI 304
- Gate	1.4301, AISI 304
- Mechanism (in contact with media)	1.4301, AISI 304
	1.4310, AISI 301
	1.4034, AISI 420
Seal	
- Bonnet	Viton
- Actuator	Nitrile
Mounting position	any
Weight	33 kg / 72 lbs

Attachments

Dimensional drawing No.	208145
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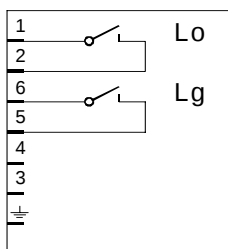
Wiring diagram



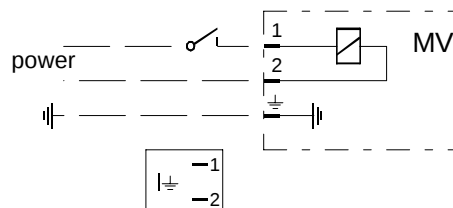
Position indicator

Lo = position indicator «open»

Lg = position indicator «closed»



Solenoid



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