

PRODUCT DATA SHEET No. 266380EA

solenoid

High Vacuum Gate Valve, Series 14, DN 80

Ordering No. 14038-PE24

Description

Flange	ISO-F flanges
Actuator	pneumatic, double acting with position indicator, without
Feedthrough	Rotary feedthrough
Technical data	
Leak rate - To the outside - Seat	< 1 • 10 ⁻⁹ mbar ls ⁻¹ < 1 • 10 ⁻⁷ mbar ls ⁻¹
Molecular flow conductance	800 ls ⁻¹
Pressure range	1 · 10 ⁻⁸ mbar to 2 bar (abs)
Differential pressure on the gate - in closing direction - in opening direction	2 bar 2 bar
Max. differential pressure at opening - in closing direction - in opening direction	30 mbar 30 mbar
Cycles until first service	200'000
Bake-out temperature - Valve - Actuator - Solenoid - Position indicator	150°C 50°C 50°C 80°C
Heating and cooling rate	< 50°C h ⁻¹
Material - Body - Gate - Mechanism (in contact with media)	1.4301, AISI 304 1.4301, AISI 304 1.4301, AISI 304 1.4310, AISI 301 1.4034, AISI 420
Seal - Bonnet - Gate - Actuator	Viton Viton Nitrile
Mounting position	any
Pneumatic actuator - Supply voltage for solenoid	defined by order

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- Power required	2 W
Position indicator - Contact rating	5 A / 250 V AC
Compressed air pressure min max.	4 - 7 bar / 55 - 95 psig (overpressure)
Volume of air cylinder	0.13 l
Compressed air connection	R ¹ /8" (¹ /8" NPT for USA)
Action at power failure - Valve closed - Valve open	valve remains closed valve closes
Action at compressed air failure - Valve closed - Valve open	valve remains closed valve position is undefined
Closing time	approx. 1.5 s
Opening time	approx. 1.5 s
Weight	10 kg

Attachments

Dimensional drawing No. 308942

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