

Product data sheet

Vacuum gate valve, Series 121, DN 250 (ID 10") Ordering No. 12148-PA34

Description

ISO-F 250 Flange

Actuator Pneumatic, double acting

with solenoid valve

Feedthrough Shaft feedthrough

Technical data

 $< 1 \cdot 10^{-9} \text{ mbar Is}^{-1}$ $< 1 \cdot 10^{-9} \text{ mbar Is}^{-1}$ Leak rate Valve body

Valve seat

1 · 10⁻⁷ mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar Differential pressure at opening ≤ 30 mbar Conductance (molecular flow) 22 000 ls⁻¹

Cycles until first service 100 000 (unheated and under clean conditions)

Temperature Valve body ≤ 120 °C (Maximum values: depending ≤ 80 °C Actuator on operating conditions and Solenoid valve ≤ 50 °C

sealing materials)

30 °C h⁻¹ Heating and cooling rate

Material Valve body EN AC-42100 (3.2371) Mechanism EN AW-6082 (3.2315)

Seal **Bonnet** FKM (Viton®)

Gate

FKM (Viton®), O-ring FKM (Viton®), NBR (BUNA N®) Actuator

Mounting position any

1.5 I / 0.053 ft³ Volume of pneumatic actuator

Compressed air 4-7 bar / 58-102 psi

min. - max. overpressure

Compressed air connection G 1/8" (1/8" NPT for USA)

Actuation time closing 5.0 s

5.0 sopening

Weight 25 kg / 55 lbs

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Behavior in case of compressed

air pressure drop

Valve closedValve open

valve remains closedundefined

Behavior in case of power failure

Valve closed

valve remains closed

Valve open

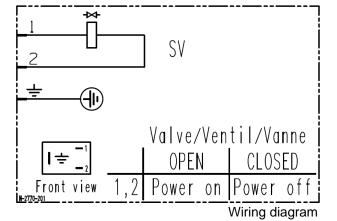
- valve closes

Electrical connections

Solenoid valve

Type 4/2 way

Voltage Defined by order



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