

Product data sheet

Vacuum gate valve, Series 121, DN 63 (ID 21/2") Ordering No. 12136-PA24

Description

ISO-F 63 Flange

Pneumatic, double acting Actuator

with position indicator

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 1.6 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.6 bar Differential pressure at opening ≤ 30 mbar

Conductance (molecular flow) 550 Is⁻¹

Cycles until first service 200 000 (unheated and under clean conditions)

Temperature ≤ 120 °C Valve body (Maximum values: depending Actuator ≤ 80 °C ≤ 80 °C on operating conditions and Position indicator

sealing materials)

30 °C h⁻¹ Heating and cooling rate

EN AW-5083 (3.3547), -6061 (3.3211) Material Valve body

> Mechanism AISI 304 (1.4301)

FKM (Viton®) Seal **Bonnet**

Gate

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

Mounting position any

0.16 I / 0.006 ft³ Volume of pneumatic actuator

4-7 bar / 58-102 psi Compressed air

min. - max. overpressure

Compressed air connection M5 (10-32 UNF suitable)

Actuation time 1.5 s closing

opening 1.5 s

Weight 3.0 kg / 7.0 lbs

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Product data sheet

Valve open

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Behavior in case of compressed

air pressure drop

Behavior in case of power failure

Valve closed - valve remains closed Valve open

undefined

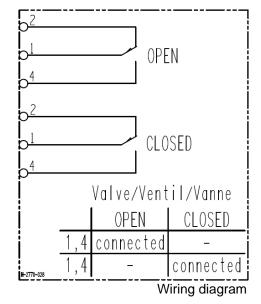
depending on customer installation Valve closed

depending on customer installation

Position indicator

Micro Switch Type

Voltage \leq 250 V AC \leq 50 V DC Current max. ≤ 2.0 A ≤ 1.2 A



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