

Product data sheet

Vacuum gate valve, Series 121, DN 160 (ID 6") Ordering No. 12144-PA24

Description

ISO-F 160 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

 $1 \cdot 10^{-7}$ 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) 6 000 ls⁻¹

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

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

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

0.5 I / 0.018 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 2.0 s closing

opening 2.0 s

Weight 9.0 kg / 20 lbs

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Behavior in case of compressed

Valve closed

- valve remains closed

air pressure drop

Valve open

undefined

Behavior in case of power failure

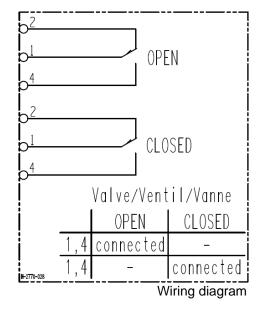
Valve closedValve open

depending on customer installationdepending on customer installation

Position indicator

Type Micro Switch

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



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