

### **Product data sheet**

# Vacuum gate valve, Series 121, DN 80 (ID 3") Ordering No. 12138-PA24

**Description** 

ISO-F 80 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<sup>-7</sup> 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) 1 000 ls<sup>-1</sup>

Cycles until first service 200 000 (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<sup>-1</sup> 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

0.2 I / 0.007 ft<sup>3</sup> 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 1.7 s closing opening 1.7 s

Weight 3.8 kg / 9.0 lbs

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Behavior in case of compressed

Valve closed

- valve remains closed

air pressure drop

Valve open

undefineddepending on customer installation

Behavior in case of power failure

Valve open

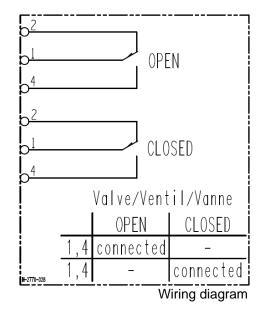
Valve closed

depending 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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