

### Product data sheet

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

**Description** 

ISO-F 80 Flange

Actuator Pneumatic, double acting 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) 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 ≤ 80 °C Actuator ≤ 80 °C on operating conditions and 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)

Seal **Bonnet** FKM (Viton®)

Gate

FKM (Viton<sup>®</sup>), O-ring FKM (Viton<sup>®</sup>), NBR (BUNA N<sup>®</sup>) 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

Behavior in case of power failure

Valve closed

valve remains closed undefined

air pressure drop

Valve open Valve closed

depending on customer installation

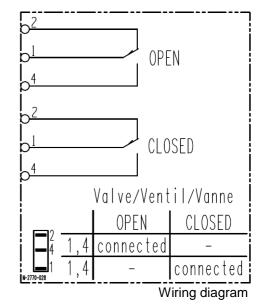
Valve open

depending on customer installation

#### **Position indicator**

Micro Switch Type

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



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