

Product data sheet

Vacuum gate valve, Series 121, DN 200 (ID 8") Ordering No. 12146-JA24

Description

JIS 200 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) 12 000 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)

FKM (Viton®) Seal **Bonnet**

Gate

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

Mounting position any

0.9 I / 0.032 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 3.0 sclosing

> opening 3.0 s

Weight 14.2 kg / 13.3 lbs

Created by: SON	Release date: 2013-06-13	1 of 2
Modified by:	Release date:	224923EA



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Behavior in case of compressed

air pressure drop

Valve closed

- valve remains closed

Valve open

undefined

Behavior in case of power failure

Valve closed

depending on customer installation

Valve open depending on customer installation

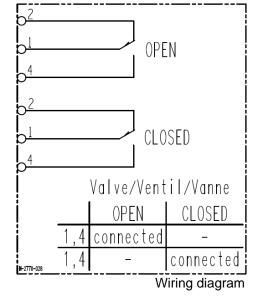
Position indicator

Type Micro Switch

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

Connection Cable length

Cable cross section



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