

# **Product data sheet**

# Vacuum gate valve, Series 121, DN 320 (ID 12") Ordering No. 12150-JA34

## **Description**

JIS 320 Flange

Pneumatic, double acting Actuator

with solenoid valve

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 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar Differential pressure at opening ≤ 30 mbar

Conductance (molecular flow) 33 000 Is<sup>-1</sup>

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 ≤ 50 °C Solenoid valve

sealing materials)

30 °C h<sup>-1</sup> 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

2.8 I / 0.099 ft<sup>3</sup> Volume of pneumatic actuator

4-7 bar / 58-102 psi Compressed air

min. - max. overpressure

G 1/4" (1/4" NPT for USA) Compressed air connection

Actuation time 7.0 sclosing

opening 7.0 s

Weight 40 kg / 88 lbs

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Behavior in case of compressed

air pressure drop

Valve closed

Valve closed

- valve remains closed undefined

Valve open

valve remains closed

Behavior in case of power failure

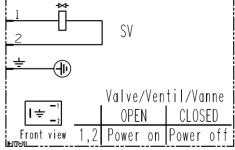
Valve open valve closes

## **Electrical connections**

## Solenoid valve

Type 5/2 way

Voltage Defined by order



Wiring diagram

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