Product data sheet
Low particle UHV gate valve, Series 152, DN 100 (ID 4") Ordering No. 15240-PE24

## Description

Flange
Actuator

Feedthrough

## Technical data

Leak rate

- Valve body
- Valve seat

Pressure range
Differential pressure on the gate
Differential pressure at opening
Conductance (molecular flow)
Cycles until first service
Temperature
(Maximum values: depending on operating conditions and sealing materials)

Heating and cooling rate
Material (main components)

Seal

Mounting position
Volume of pneumatic actuator
Compressed air
min. - max. overpressure
Compressed air connection

ISO-F 100
Pneumatic, double acting

- with position indicator

Bellows
$<5 \cdot 10^{-10} \mathrm{mbar} \mathrm{Is}^{-1}$
$<1 \cdot 10^{-9} \mathrm{mbar} \mathrm{Is}^{-1}$
$1 \cdot 10^{-10}$ mbar to 1 bar (abs)
$\leq 1.2$ bar
$\leq 30 \mathrm{mbar}$
$1700 \mathrm{ls}^{-1}$
500000 (unheated and under clean conditions)
$\leq 250^{\circ} \mathrm{C}$ open $/ \leq 200^{\circ} \mathrm{C}$ closed (bake-out max. 24 h )
$\leq 200^{\circ} \mathrm{C}$
$\leq 80^{\circ} \mathrm{C}$
$50^{\circ} \mathrm{Ch}^{-1}$
AISI 304 (1.4301)
AISI 304 (1.4301)
AISI 633 (AM350)
metal
FKM $\left(\right.$ Viton $\left.^{\circledR}\right)$, vulcanized
FKM (Viton ${ }^{\circledR}$ )
Any
$0.32 \mathrm{l} / 0.011 \mathrm{ft}^{3}$
According dimensional drawing

According dimensional drawing

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| Actuation time | - closing | $\leq 2.8 \mathrm{~s}$ |
| :--- | :--- | :--- |
|  | - opening | $\leq 2.8 \mathrm{~s}$ |
| Weight |  | $16.2 \mathrm{~kg} / 35.7 \mathrm{lbs}$ |
| Behavior in case of compressed | - Valve closed | - Undefined (not mechanically locked) |
| air pressure drop | - Valve open | - Undefined (not mechanically locked) |
| Behavior in case of power failure | - Valve closed | - Depending on customer installation |
|  | - Valve open | - Depending on customer installation |

## Electrical connections

## Position indicator

Type
Voltage
Current max.

| Micro switch |  |
| :--- | :--- |
| $\leq 250 \mathrm{VAC}$ | $\leq 50 \mathrm{VDC}$ |
| $\leq 2 \mathrm{~A}$ | $\leq 1.2 \mathrm{~A}$ |



Wiring diagram

| Created by: MAY | Release date: 02.03 .2015 | $2 / 2$ |
| :--- | :--- | ---: |
| Modified by: | Release date: | $\mathbf{7 8 9 2 8 3 E A}$ |

