

## **Product data sheet**

## Low particle UHV gate valve, Series 152, DN 200 (8") Ordering No. 15246-PE24-0004

## **Description**

Flange ISO-F 200

Actuator Pneumatic, double acting

- with position indicator

Feedthrough Bellows

**Technical data** 

– Valve seat < 1 · 10⁻⁰ mbar ls⁻¹</p>

Pressure range  $1 \cdot 10^{-10}$  mbar to 1 bar (abs)

Differential pressure on the plate - In opening direction  $\le 1.2$  bar

In closing direction

Differential pressure at opening  $\leq$  30 mbar Conductance (molecular flow) 12 000 ls<sup>-1</sup>

Cycles until first service 500 000 (unheated and under clean conditions)

Temperature – Valve Body ≤ 250 °C open / ≤ 200 °C closed (bake-out max. 24h)

(Maximum values: depending — Actuator  $\leq$  100 °C on operating conditions and — Position indicator  $\leq$  80 °C

sealing materials)

Heating and cooling rate 50 °C h<sup>-1</sup>

Material – Valve Body AISI 304 (1.4301)

- Gate AISI 304 (1.4301) - Bellows AISI 633 (AM350)

Seal – Bonnet metal

– Gate
 FKM (Viton®), vulcanized

ActuatorFKM (Viton®)

Mounting position Any

Volume of pneumatic actuator 1.08 I / 0.038 ft<sup>3</sup>

Compressed air According dimensional drawing

min. - max. overpressure

Compressed air connection According dimensional drawing

Actuation time - closing  $\leq 6.0 \text{ s}$ 

- opening ≤ 6.0 s

Weight 36.4 kg / 80.2 lbs

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Behavior in case of compressed

Valve closed

Undefined (not mechanically locked)Undefined (not mechanically locked)

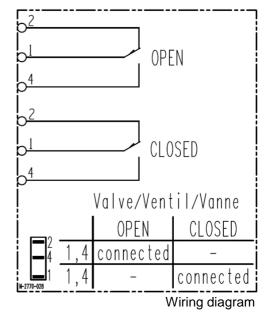
air pressure drop – Valve open

### **Electrical connections**

#### **Position indicator**

Type Micro switch

Voltage  $\leq$  250 V AC  $\leq$  50 V DC Current max.  $\leq$  2 A  $\leq$  1.2 A



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