

## **Product data sheet**

HV gate valve Series 111, DN 250 (ID 10") Ordering No. 11148-JE24

### **Description**

Flange JIS 250

Actuator pneumatic, double acting

with position indicator

Feedthrough Bellows

#### **Technical data**

Leak rate – Valve body < 1 · 10<sup>-9</sup> mbar ls<sup>-1</sup>

- Valve seat  $< 1 \cdot 10^{-9}$  mbar Is<sup>-1</sup>

Pressure range  $1 \cdot 10^{-8}$  mbar to 1.2 bar (abs)

Differential pressure on the gate  $\leq$  1.2 bar

Differential pressure at opening  $\leq$  30 mbar

Conductance (molecular flow) 21 690 ls<sup>-1</sup>

Cycles until first service 200 000 (unheated and under clean conditions)

Temperature – Valve Body ≤ 150 °C (bake-out max. 24h)

Material (main components) – Valve Body AISI 304 (1.4301)

- Mechanism AISI 316L (1.4404), AISI 304 (1.4301)

- Bellows AISI 316L (1.4404, 1.4435)

- Bushing Hydrocarbonate

Seal – Bonnet FKM (Viton®)

– Gate
 – Actuator
 FKM (Viton®), O-ring
 FKM (Viton®), NBR

Mounting position any

Volume of pneumatic actuator 0.35 I / 0.0122 ft<sup>3</sup>

Compressed air 5-7 bar/73-102 psi

min. – max. overpressure

Compressed air connection G1/8" (1/8" NPT for USA)

Actuation time - closing 4 s - opening 4 s

Weight 51 kg / 112 lbs

Behavior in case of compressed - Valve closed valve remains closed

air pressure drop — Valve open undefined

Behavior in case of power failure — Valve closed depending on customer installation

Valve open depending on customer installation

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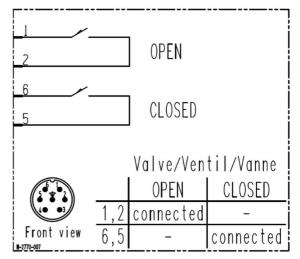
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### **Electrical connections**

### **Position indicator**

Type Micro switch Voltage  $\leq 50 \text{ V AC / DC}$ 

Current max. ≤ 1.2 A



Wiring diagram

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