

Product data sheet HV gate valve, Series 110, DN 250 (ID 10") Ordering No. 11048-PE24-0003

Description

| Flange | | ISO-F 250 |
|--|--|--|
| Actuator | | Pneumatic, double acting – with position indicator |
| Feedthrough | | Bellows |
| | | |
| Technical data | | |
| Leak rate | – Valve body – Valve seat | < 1 · 10 ⁻⁹ mbar Is ⁻¹ < 1 · 10 ⁻⁹ mbar Is ⁻¹ |
| Pressure range | | 1 · 10 ⁻⁸ mbar to 1.2 bar (abs) |
| Differential pressure on the gate | | ≤ 1.2 bar |
| Differential pressure at opening | | ≤ 30 mbar |
| Conductance (molecular flow) | | 27 110 ls ⁻¹ |
| Cycles until first service | | 200 000 (unheated and under clean conditions) |
| Temperature (Maximum values: depending on operating conditions and sealing materials) | Valve body Actuator Position indicator | ≤ 150 °C ≤ 80 °C ≤ 50 °C |
| Heating and cooling rate | | 50 °C h ⁻¹ |
| Material (main components) | – Valve body – Mechanism – Bellows | AISI 304 (1.4301) AISI 304 (1.4301) AISI 633 (AM350) |
| Seal | – Bonnet – Gate – Actuator | FKM (Viton [®]) FKM (Viton [®]), O-ring FKM (Viton [®]), NBR |
| Mounting position | | any |
| Volume of pneumatic actuator | | 0.35 I / 0.0124 ft ³ |
| Compressed air min. – max. overpressure | | 5 – 7 bar / 73 – 102 psi |
| Compressed air connection | | M5 female (10-32 UNF suitable) |
| Actuation time | – Closing – Opening | 4.5 s 4.5 s |
| Weight | | 39 kg / 86 lbs |

| Created by: MAEM | Release date: 2013-07-17 | 1 of 2 |
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| Modified by: | Release date: | 603377EA |



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| Behavior in case of compressed | | | | | |
|--------------------------------|--|--|--|--|--|
| air pressure drop | | | | | |
| | | | | | |

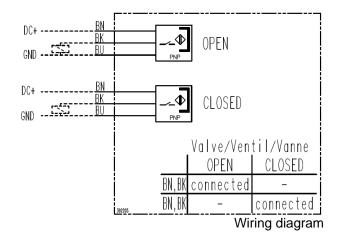
- Valve closed
- Valve openValve closed
- Behavior in case of power failure
- Valve open

valve remains closed undefined

depending on customer installation depending on customer installation

Position indicator

| Туре | PNP NO with LED |
|--------------|-----------------|
| Voltage | 10 - 30 V DC |
| Current max. | max. 200 mA |
| Cable length | approx. 2 meter |



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