

## 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 <sup>-9</sup> mbar Is <sup>-1</sup> < 1 · 10 <sup>-9</sup> mbar Is <sup>-1</sup>
Pressure range		1 · 10 <sup>-8</sup> 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 <sup>-1</sup>
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	<ul> <li>Valve body</li> <li>Actuator</li> <li>Position indicator</li> </ul>	≤ 150 °C ≤ 80 °C ≤ 50 °C
Heating and cooling rate		50 °C h <sup>-1</sup>
Material (main components)	– Valve body – Mechanism – Bellows	AISI 304 (1.4301) AISI 304 (1.4301) AISI 633 (AM350)
Seal	– Bonnet – Gate – Actuator	FKM (Viton <sup>®</sup> ) FKM (Viton <sup>®</sup> ), O-ring FKM (Viton <sup>®</sup> ), NBR
Mounting position		any
Volume of pneumatic actuator		0.35 I / 0.0124 ft <sup>3</sup>
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

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Behavior in case of compressed					
air pressure drop					

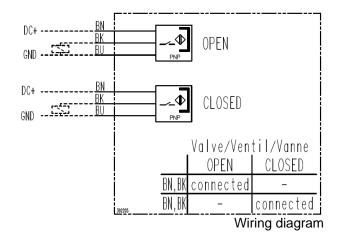
- Valve closed
- Valve openValve closed
- Behavior in case of power failure
- Valve open

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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