

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

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Behavior in case of compressed					
air pressure drop					

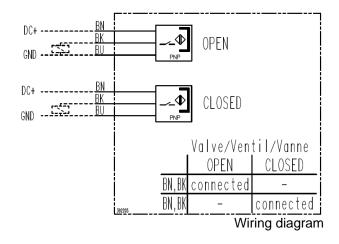
- Valve closed
- Valve openValve closed
- Behavior in case of power failure
- Valve open

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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