

Product data sheet HV gate valve, Series 110, DN 250 (ID 10") Ordering No. 11048-CE24-0002

Description

Flange		CF-F 250	
Actuator		Pneumatic, double acting – with position indicator	
Feedthrough		Bellows	
Technical data			
Leak rate	– Valve body – Valve seat	< $1 \cdot 10^{-9}$ mbar ls ⁻¹ < $1 \cdot 10^{-9}$ mbar ls ⁻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)		19 990 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 l / 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		43.9 kg / 96.8 lbs	

Created by: MAEM	Release date: 2013-07-17	1 of 2
Modified by:	Release date:	295049EA



Product data sheet HV gate valve, Series 110, DN 250 (ID 10")

Ordering No. 11048-CE24-0002

Behavior in case of compressed	-
air pressure drop	_
Behavior in case of power failure	_

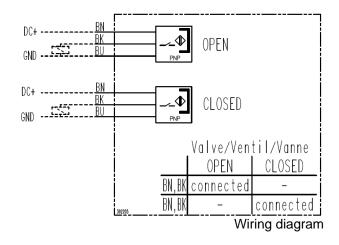
- Valve closed
- Valve open
- Behavior in case of power failure –
- Valve closedValve open

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



Created by: MAEM	Release date: 2013-07-17	2 of 2
Modified by:	Release date:	295049EA