

## Product data sheet HV gate valve, Series 111, DN none Ordering No. 11148-CE24

Description
-------------

Flange		CF-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)		21 690 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 (bake-out max. 24h) ≤ 120 °C ≤ 80 °C
Heating and cooling rate		50 °C h <sup>-1</sup>
Material (main components)	– Valve Body – Mechanism – Bellows – Bushing	AISI 304 (1.4301) AISI 316L (1.4404), AISI 304 (1.4301) AISI 316L (1.4404, 1.4435) Hydrocarbonate
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 / 0.0122 ft <sup>3</sup>
Compressed air min. – max. overpressure		5 – 7 bar / 73 – 102 psi
Compressed air connection		G1⁄8" (1⁄8" NPT for USA)
Actuation time	– closing – opening	4 s 4 s
Weight		53 kg / 117 lbs
Behavior in case of compressed air pressure drop	<ul> <li>Valve closed</li> <li>Valve open</li> </ul>	valve remains closed undefined
Behavior in case of power failure	<ul> <li>Valve closed</li> <li>Valve open</li> </ul>	valve remains closed valve closes

Created by: AUD	Release date: 18.05.2021	1/2
Modified by:	Release date:	1089853EA

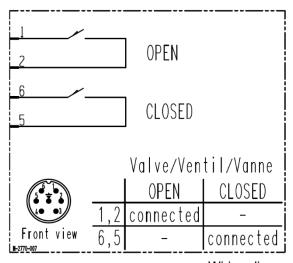


## Product data sheet HV gate valve, Series 111, DN none Ordering No. 11148-CE24

## **Electrical connections**

## **Position indicator**

Туре	Micro switch
Voltage	$\leq 50$ V AC / DC
Current max.	≤ 1.2 A



Wiring diagram

Created by: AUD	Release date: 18.05.2021	2/2
Modified by:	Release date:	1089853EA