

## Product data sheet

# UHV gate valve, Series 108, DN 250 (ID 10") Ordering No. 10848-CE28

### **Description**

CF-F 250 Flange

Actuator pneumatic double acting, with 3-position actuator

with position indicator

Feedthrough **Bellows** 

#### **Technical data**

 $< 5 \cdot 10^{-10} \text{ mbar ls}^{-1}$  Valve body Leak rate

< 1 · 10<sup>-9</sup> mbar ls<sup>-1</sup> Valve seat

 $1 \cdot 10^{-10}$  mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar Differential pressure at opening ≤ 30 mbar 19 990 ls<sup>-1</sup> Conductance (molecular flow)

Cycles until first service 50 000 (unheated and under clean conditions)

≤ 250 °C open / ≤ 200 °C closed (bake-out max. 24h) **Temperature** Valve body

≤ 200 °C (Maximum values: depending Actuator ≤ 80 °C on operating conditions and Position indicator

sealing materials)

50 °C h<sup>-1</sup> Heating and cooling rate

Material (main components) Valve body AISI 304 (1.4301)

AISI 316L (1.4404), AISI 304 (1.4301) - Mechanism

- Bellows AISI 316L (1.4404, 1.4435)

Seal Bonnet

FKM (Viton®), O-ring Gate FKM (Viton®), NBR - Actuator

Mounting position any

Volume of pneumatic actuator 0.35 I / 0.0122 ft<sup>3</sup>

5 - 7 bar / 73 - 102 psiCompressed air

min. - max. overpressure

Compressed air connection 1/8" ISO / NPT

Actuation time - closing 4 s opening 4 s

Weight 42 kg / 92 lbs

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Behavior in case of compressed

air pressure drop

Valve closed

valve remains closed

Valve openMiddle position

undefined undefined

Behavior in case of power failure

Valve closed

depending on customer installation depending on customer installation

Valve openMiddle position

depending on customer installation

**Position indicator** 

Type Micro switch
Voltage ≤ 50 V AC / DC

Current max. ≤ 1.2 A

2		OPEN			
1 INTERMEDIATE					
<u>6</u> 5	CLOSED				
	Valve/Ventil/Vanne				
		OPEN	INTERMEDIATE	CLOSED	
(3 to 1)	1,2	connected	ı	-	
	4,3	-	connected	-	
Front view	6,5	-	_	connected	

Wiring diagram

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