

Product data sheet

HV gate valve, Series 140, DN 250 (10") Ordering No. 14048-TE48

Description

ASA-LP 250 Flange

Actuator Pneumatic, with 3-position actuator

> - with solenoid valve - with position indicator

Rotary feedthrough Feedthrough

Technical data

Leak rate $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ - Valve body

 $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ - Valve seat

1 · 10⁻⁸ mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar Differential pressure at opening ≤ 30 mbar

Conductance (molecular flow) - Nominal 21'690 Is-1

12.5 ls⁻¹ - Min. adjustable

Cycles until first service Unheated and under

clean conditions

200'000

Temperature Valve body ≤ 150 °C - Actuator (Maximum values: depending ≤ 50 °C on operating conditions and Solenoid valve ≤ 50 °C sealing materials) Position indicator ≤ 80 °C

50 °C h-1

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

- Mechanism AISI 304 (1.4301), AISI 310 (1.4310),

AISI 316 L (1.4404)

FKM (Viton®), O-ring - Bonnet Seal FKM (Viton®), O-ring Gate

FKM (Viton®), NBR - Actuator

Mounting position any

Volume of pneumatic actuator 2.6 I / 0.093 ft3

Compressed air 4 – 7 bar / 58 – 102 psi

min. - max. overpressure

Heating and cooling rate

G1/8" (1/8" NPT for USA) Compressed air connection

Actuation time - closing ≤6s

- opening ≤6s

Weight 69 kg / 151 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

valve remains closed

Valve openMiddle position

valve closes valve closes

Valve position indication

visual (mechanical)

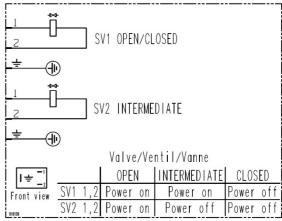
Electrical connections

Solenoid valve (2x)

Type 5/2 way

Voltage Defined by order

Power consumption 2.5 W



Wiring diagram

Position indicator

Type Micro switch

Voltage \leq 250 V AC \leq 50 V DC

Current max. $\leq 5 \text{ A} \leq 3 \text{ A}$

[
2		OPEN			
4 INTERMEDIATE					
6 5 CLOSED					
Valve/Ventil/Vanne					
		OPEN	INTERMEDIATE	CLOSED	
(3 t - 2)	1,2	connected	-	-	
	4,3		connected	-	
Front view	6,5	E	H	connected	

Wiring diagram

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