

Product data sheet

HV gate valve, Series 140, DN 160 (6") Ordering No. 14044-TE48

Description

ASA-LP 160 Flange

Actuator Pneumatic, with 3-position actuator

> with solenoid valve - with position indicator

Feedthrough Rotary feedthrough

Technical data

< 1 · 10⁻⁹ mbar ls⁻¹ Leak rate Valve body

< 1 · 10⁻⁹ mbar ls⁻¹ - Valve seat

 $1 \cdot 10^{-8}$ mbar to 2 bar (abs) Pressure range

Differential pressure on the gate ≤ 2 bar

Differential pressure at opening ≤ 30 mbar

Conductance (molecular flow) - Nominal 5'150 ls-1

- Min. adjustable 7.5 ls⁻¹

Cycles until first service - Unheated and under

clean conditions

200'000

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

Heating and cooling rate 50 °C h-1

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

> - Mechanism AISI 304 (1.4301), AISI 301 (1.4310)

AISI 316L (1.4404)

FKM (Viton®), vulcanized Seal - Bonnet

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

Mounting position any

Volume of pneumatic actuator 0.96 I / 0.034 ft³

Compressed air 4 – 7 bar / 58 – 102 psi

min. - max. overpressure

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

Actuation time - closing ≤ 3.5 s - opening ≤ 3.5 s

Weight 30 kg / 66 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

SV1 OPEN/CLOSED					
SV2 INTERMEDIATE					
Valve/Ventil/Vanne					
[+ -1		OPEN	INTERMEDIATE	CLOSED	
Front view	SV1 1,2	Power on	Power on	Power off	
910126	SV2 1,2	Power on	Power off	Power off	

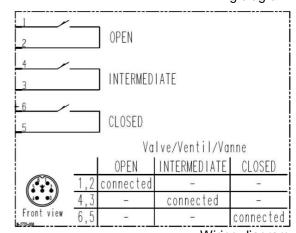
Wiring diagram

Position indicator

Type Micro switch

Voltage ≤ 250 V AC ≤ 50 V DC

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



Wiring diagram

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