

## **Product data sheet**

# HV gate valve, Series 140, DN 320 (ID 12") Ordering No. 14050-PE44

## **Description**

Flange ISO-F 320

Actuator Pneumatic, double acting

with solenoid valvewith position indicator

Feedthrough Rotary feedthrough

### **Technical data**

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

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

Pressure range  $1 \cdot 10^{-8}$  mbar to 1.2 bar (abs)

Differential pressure on the gate  $\leq$  1.2 bar

Differential pressure at opening  $\leq$  30 mbar

Conductance (molecular flow) 32 690 Is<sup>-1</sup>

Cycles until first service – Unheated and under clean conditions 200 000 (valve in horizontal position) 50 000 (valve in vertical position)

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

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

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

- Actuator FKM (Viton®), NBR

Mounting position any

Volume of pneumatic actuator 0.75 I / 0.025 ft<sup>3</sup>

Compressed air 4-7 bar / 58-102 psi

min. – max. overpressure

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

Actuation time - closing 4.5 s - opening 4.5 s

Weight 100 kg / 221 lbs

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Behavior in case of compressed air pressure drop

- Valve closed

valve remains closed

- Valve open

undefined

Behavior in case of power failure

valve remains closed Valve closed Valve open

valve closes

## **Electrical connections**

#### Solenoid valve

Type 5/2 way

Defined by order Voltage

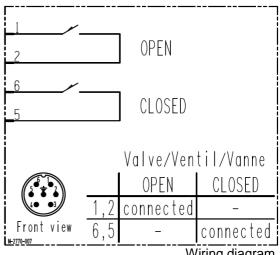
SV Valve/Ventil/Vanne Power on Front view Wiring diagram

#### **Position indicator**

Type Micro switch

Voltage ≤ 250 V AC ≤ 50 V DC

Current max. ≤ 5 A  $\leq$  3 A



Wiring diagram

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