

## **Product data sheet**

# HV gate valve, Series 140, DN 350 (ID 14") Ordering No. 14051-JE44

### **Description**

Flange JIS 350

Actuator Pneumatic, double acting

- with solenoid valve - with position indicator

Rotary feedthrough Feedthrough

#### **Technical data**

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

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

1 · 10<sup>-8</sup> 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) 43 000 ls<sup>-1</sup>

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

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

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

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

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

FKM (Viton®), NBR - Actuator

Mounting position any

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

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 4.5 sopening

Weight 112 kg / 247 lbs

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valve remains closed

undefined

Behavior in case of compressed — Valve closed

air pressure drop — Valve open

Valve closed valve remains closed

Valve open valve closes

### **Electrical connections**

Behavior in case of power failure

### Solenoid valve

Type 5/2 way

Voltage Defined by order

SV

SV

Valve/Ventil/Vanne

Valve/Ventil/Vanne

OPEN CLOSED

Front view 1,2 Power on Power off

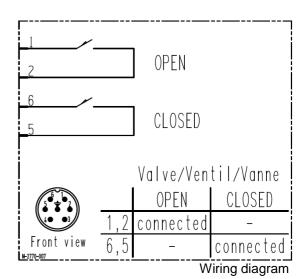
Wiring diagram

### **Position indicator**

Type Micro switch

Voltage  $\leq$  250 V AC  $\leq$  50 V DC

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



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