

## **Product data sheet**

# HV gate valve, Series 111, DN 320 (12") Ordering No. 11150-UE28-ADF

#### **Description**

Flange CF-F 320 UNF

Actuator pneumatic, double acting, with 3-position actuator

with position indicator

Feedthrough Bellows

Options Body Flange "A" + "B" CF-F MDC 14" UNF

#### **Technical data**

Leak rate - Valve body  $< 1 \cdot 10^{-9}$  mbar Is<sup>-1</sup>

– 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) 29 130 ls<sup>-1</sup>

Cycles until first service 200 000 (unheated and under clean conditions)

Temperature – Valve Body ≤ 150 °C (bake-out max. 24h)

(Maximum values: depending — Actuator ≤ 120 °C on operating conditions and sealing materials) — Position indicator ≤ 80 °C

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

Material (main components) – Valve Body AISI 304 (1.4301)

- Mechanism AISI 304 (1.4301)

- Bellows AISI 316L (1.4404, 1.4435)

Bushing Hydrocarbonate

Seal – Bonnet FKM (Viton®)

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

Mounting position any

Volume of pneumatic actuator 0.48 I / 0.0167 ft<sup>3</sup>

Compressed air 5-7 bar/73-102 psi

min. - max. overpressure

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

Actuation time - closing 5 s - opening 5 s

Weight 91 kg / 201 lbs

Behavior in case of compressed — Valve closed valve remains closed

air pressure drop – Valve open undefined – Middle Position undefined

Behavior in case of power failure — Valve closed depending on customer installation

Valve open
 Middle position
 depending on customer installation depending on customer installation

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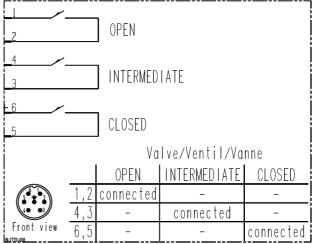
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### **Electrical connections**

#### **Position indicator**

Type Micro switch Voltage  $\leq 50 \text{ V AC / DC}$ 

Current max. ≤ 1.2 A



Wiring diagram

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