

## Product data sheet HV gate valve, Series 111, DN 100 (4") Ordering No. 11140-PE28

#### Description **ISO-F 100** Flange Actuator pneumatic, double acting, with 3-position actuator - with position indicator Feedthrough Bellows **Technical data** Leak rate Valve body < 1 · 10<sup>-9</sup> mbar ls<sup>-1</sup> - Valve seat < 1 · 10<sup>-9</sup> mbar ls<sup>-1</sup> $1 \cdot 10^{-8}$ mbar to 1.6 bar (abs) Pressure range Differential pressure on the gate ≤ 1.6 bar Differential pressure at opening $\leq$ 30 mbar 1740 ls<sup>-1</sup> Conductance (molecular flow) Cycles until first service 200 000 (unheated and under clean conditions) Temperature ≤ 150 °C (bake-out max. 24h) - Valve Body (Maximum values: depending ≤ 120 °C Actuator - Position indicator ≤ 80 °C on operating conditions and sealing materials) 50 °C h<sup>-1</sup> Heating and cooling rate Material (main components) - Valve Body AISI 304 (1.4301)- Mechanism AISI 316L (1.4404), AISI 304 (1.4301) - Bellows AISI 316L (1.4404, 1.4435) Bushing Hydrocarbonate Seal – Bonnet FKM (Viton<sup>®</sup>) - Gate FKM (Viton®), O-ring - Actuator FKM (Viton®), NBR Mounting position any Volume of pneumatic actuator 0.11 I / 0.0038 ft<sup>3</sup> Compressed air 4 - 7 bar / 58 - 102 psi min. - max. overpressure G<sup>1</sup>/<sub>8</sub>" (<sup>1</sup>/<sub>8</sub>" NPT for USA) Compressed air connection Actuation time 1.2 s closing 1.2 s opening Weight 13 kg / 28 lbs Behavior in case of compressed - Valve closed valve remains closed undefined air pressure drop - Valve open - Middle position undefined Behavior in case of power failure - Valve closed depending on customer installation - Valve open depending on customer installation - Middle position depending on customer installation

| Created by: SAVI | Release date: 27.06.2022 | 1/2       |
|------------------|--------------------------|-----------|
| Modified by:     | Release date:            | 1170012EA |



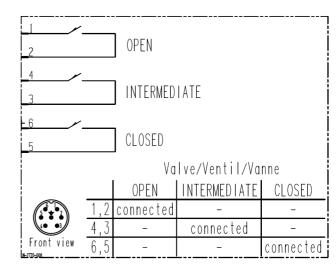
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### **Electrical connections**

#### **Position indicator**

| Туре         |  |  |
|--------------|--|--|
| Voltage      |  |  |
| Current max. |  |  |

| Micro switch        |  |  |
|---------------------|--|--|
| $\leq$ 50 V AC / DC |  |  |
| ≤ 1.2 A             |  |  |



Wiring diagram

| Modified by:     | Release date:            | 1170012EA |
|------------------|--------------------------|-----------|
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