

Product data sheet

HV gate valve, Series 111, DN 63 (ID 2½") Ordering No. 11136-UE24

Description

Flange CF-F 63 UNF

Actuator pneumatic, double acting

- with position indicator

Feedthrough Bellows

Technical data

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

– Valve seat < 1 ⋅ 10⁻⁹ mbar Is⁻¹

Pressure range $1 \cdot 10^{-8}$ mbar to 1.6 bar (abs)

Differential pressure on the gate \leq 1.6 bar

Differential pressure at opening \leq 30 mbar

Conductance (molecular flow) 600 ls⁻¹

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

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

(Maximum values: depending — Actuator \leq 120 °C on operating conditions and — Position indicator \leq 80 °C

sealing materials)

Heating and cooling rate 50 °C h⁻¹

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

- Mechanism AISI 316L (1.4404), AISI 304 (1.4301)

BellowsBushingBushingAISI 633 (AM350)Hydrocarbonate

Seal – Bonnet FKM (Viton®)

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

Mounting position any

Volume of pneumatic actuator 0.08 I / 0.0028 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 1 s - opening 1 s

Weight 9 kg / 20 lbs

Behavior in case of compressed - Valve closed valve remains closed

air pressure drop — Valve open undefined

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

Valve open depending on customer installation

| Created by: SAVI | Release date: 28.05.2021 | 1/2 |
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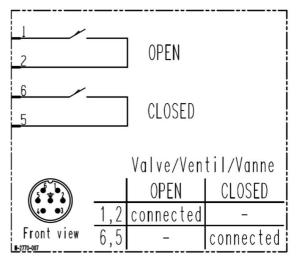
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Electrical connections

Position indicator

Type Micro switch Voltage $\leq 50 \text{ V AC / DC}$ Current max. $\leq 1.2 \text{ A}$



Wiring diagram

| Created by: SAVI Modified by: | Release date: 28.05.2021 Release date: | 4004000 4 |
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