

Product data sheet

Mini UHV gate valve, Series 010, DN 50 (ID 2") Ordering No. 01034-KE21

Description

ISO-KF 50 Flange

Actuator pneumatic, single acting with closing spring

with position indicator

Feedthrough **Bellows**

Technical data

 $< 5 \cdot 10^{-10} \text{ mbar ls}^{-1}$ $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ Leak rate Valve body

- Valve seat

 $1 \cdot 10^{-10}$ mbar to 2 bar (abs) Pressure range

Differential pressure on the gate ≤ 2 bar

Differential pressure at opening ≤ 30 mbar

Conductance (molecular flow) 160 Is⁻¹

Cycles until first service 50 000

≤ 250 °C open / ≤ 200 °C closed (bake-out max. 24h) Temperature Valve Body

≤ 200 °C (Maximum values: depending - Actuator on operating conditions and - Position indicator ≤ 80 °C

sealing materials)

Heating and cooling rate ≤ 50 °C h⁻¹

AISI 304 (1.4301), AISI 316L (1.4435) Material Valve Body

> - Gate AISI 304 (1.4301)

Bellows AISI 316L (1.4404, 1.4435)

Seal Bonnet metal

FKM (Viton®), vulcanized - Gate

FKM (Viton®) Actuator

Mounting position any

 $0.12 I / 0.004 ft^3$ Volume of pneumatic actuator

5 - 7 bar / 73 - 102 psi Compressed air

min. - max. overpressure

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

Actuation time - closing $0.7 \, s$

- opening 0.7 s

Weight 4.2 kg / 9.26 lbs

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valve closes

Behavior in case of compressed -

Behavior in case of power failure

Valve closed

valve remains closed

air pressure drop

- Valve open

depending on customer installation

Valve closedValve open

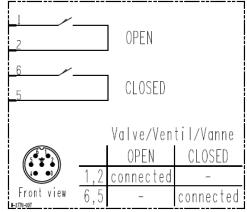
depending on customer installation

Position indicator

Type Micro switch

Voltage \leq 250 V AC \leq 50 V DC

Current max. 5.0 A 3 A



Wiring diagram

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