

Product data sheet

UHV angle valve Series 284, DN 63 (2 1/2") Ordering No. 28436-GE31-0002

Description

Flange CF-R 63

Actuator Pneumatic, single acting with closing spring

with solenoid valvewithout position indicator

Feedthrough Bellows

Technical data

Pressure range

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

1 · 10⁻¹⁰ mbar to 5 bar (abs)

Differential pressure on the plate - in opening direction ≤ 2 bar

in closing direction ≤ 5 bar

Differential pressure at opening ≤ 1 bar

Conductance (molecular flow) 160 ls⁻¹

Closing time $\leq 0.70 \text{ sec.}$

Cycles until first service 3 million

(Tmax 80°C, under clean

conditions)

Temperature - Valve body ≤ 150 °C (Maximum values: depending - Actuator ≤ 150 °C

- Solenoid

on operating conditions and

sealing materials)

Material

≤ 80 °C

Valve bodyAISI 316L (1.4404)ActuatorAluminum

- Plate AISI 316L (1.4404)

- Bellows AISI 316L (1.4404, 1.4435), AISI 316 Ti (1.4571)

Seal – Bonnet Seal Meta

Plate O-ring
 Actuator O-ring
 FKM (Viton[®])
 FKM (Viton[®])

Weight 4.76 kg / 10.494 lbs

Mounting position any

Volume of pneumatic actuator 0.112 I / 0.0040 ft³

Compressed air 4-8 bar / 58-116 psi

min. - max. overpressure

Compressed air connection Female G1/8"

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Behavior in case of compressed

air pressure drop

- Valve closed valve remains closed and leaktight

Valve opened valve closes leaktightDuring actuation valve closes leaktight

Behavior in case of power failure

- Valve closed valve remains closed and leaktight

Valve opened valve closes leaktightDuring actuation valve closes leaktight

Electrical connections

Solenoid valve

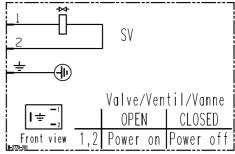
Type 3/2-way

Voltage See solenoid
Power See solenoid

Connector Rectangle plug,

Type B (DIN standard)

Cable Ø6 – 8 mm



Wiring diagram

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