

Product data sheet All-metal gate valve, Series 482, DN 160 (ID 6") Ordering No. 48244-CE44-0002

Description

Flange DN 160 CF-F

Actuator Pneumatic double acting

with solenoid valvewith position indicator

Feed through Bellows
Option = Standard

Technical data

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

- Valve seat $< 1 \cdot 10^{-10}$ mbar Is⁻¹

Pressure range XUHV to 2 bar (abs)

Test pressure 1 bar

Differential pressure on the gate ≤ 2 bar

Differential pressure at opening 500 mbar, 1 bar with reduced cycle life

Conductance (molecular flow) 4 200 ls⁻¹

Cycles until first service 20 000

(Maximum values: depending on operating conditions and sealing operating conditions and sealing operating conditions and sealing operating conditions on operating conditions and sealing operating conditions and sealing operating conditions on operating conditions and sealing operating conditions on operating conditions and sealing operating conditions on operatin

operating conditions and sealing materials) - Position indicator ≤ 80 °C ≤ 80 °C

Heating and cooling rate ≤ 50 °C h⁻¹

Material – Valve body 1.4435, AISI 316 L

Flange1.4435 ESU, AISI 316 L ESR

 - Gate
 1.4435, AISI 316 L

 - Mechanism
 1.4435, AISI 316 L

 - Bellows
 1.4435, AISI 316 L

Seal – Bonnet metal, silver plated

Gate metal, silver plated
 Actuator FKM (Viton®)

Mounting position any

Radiation resistance – Valve body 10^8 Gy (10^{10} rad)

Volume of pneumatic 4.3 I / 0.152 ft³

actuator

Compressed air 4 - 8 bar / 58 - 116 psig

min. - max. overpressure

Compressed air connections R 1/8" (USA: 1/8" NPT)

Created by: Kurt Sonderegger	Release date: 02.06.2004	1 of 2
Modified by: Kurt Sonderegger	Release date: 02.03.2016	250850ED



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Actuation time - Closing $\leq 9.0 \text{ sec}$ (valid for RT, Ø6mm tubing at 4 bar with flow rate of 400 l/min) - Opening $\leq 9.0 \text{ sec}$

Weight 46 kg / 101 lbs

Behavior in case of — Valve closed Valve remains in closed position compressed air pressure — Valve open Undefined

drop

Behavior in case of power – Valve closed Valve remains in closed position

failure – Valve open Valve closes

Related documents

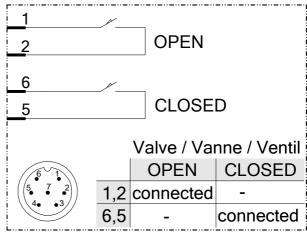
Dimensional drawing No. 832785

Electrical connections

Position indicator

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

Current max. \leq 1.2 A

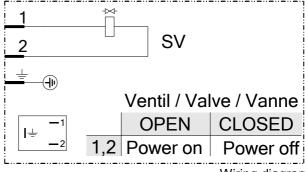


Wiring diagram

Solenoid

Voltage according to PO

Power consumption $\leq 2.5 \text{ W}$



Wiring diagram

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