

Product data sheet

Vacuum angle valve Series 244, DN 200 (ID 8") Ordering No. 24446-QE34-0002

Description

Flange ISO-K 200

Actuator Pneumatic, double acting

- with solenoid valve - without position indicator

Shaft feedthrough Feedthrough

Technical data

 $< 1 \cdot 10^{-9} \text{ mbar Is}^{-1}$ Leak rate (static) Valve body $< 1 \cdot 10^{-9} \, \text{mbar Is}^{-1}$

Valve seat

 $1 \cdot 10^{-7}$ mbar to 1.6 bar (abs) Pressure range

- In opening direction Differential pressure on the plate ≤ 1.2 bar

- In closing direction ≤ 1.6 bar

Differential pressure at opening ≤ 1 bar [1 bar with reduced number of cycles]

Conductance (molecular flow) 2000 Is⁻¹

Actuation time Closing \leq 3 sec. Opening \leq 3 sec.

Cycles until first service 1'000'000

(Tmax 80°C, under clean

conditions)

Temperature - Valve body ≤ 150 °C (Maximum values: depending Actuator ≤ 120 °C on operating conditions and - Solenoid valve ≤ 70 °C

sealing materials)

Material - Valve body AISI 304(1.4301)

> Actuator Aluminum

Plate AISI 304(1.4301) Shaft feedthrough AISI 304(1.4301)

Seal Bonnet O-ring FKM (Viton®) - Plate O-ring FKM (Viton®)

- Feedthrough O-ring FKM (Viton®) Actuator O-ring FKM (Viton®)

Weight 32 kg / 71 lbs

Mounting position any

2.5 I / 0.09 ft³ Volume of pneumatic actuator

Compressed air 5 - 7 bar / 73 - 102 psi

min. - max. overpressure

G1/8" female Compressed air connection

Behavior in case of compressed - Valve closed depending on customer installation

- Valve opened depending on customer installation air pressure drop

- During actuation depending on customer installation

Created by: LIN	Release date: 17.03.2015	1/2
Modified by:	Release date:	791343EA



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Behavior in case of power failure - Valve closed Valve remains closed and leaktight

Valve closes leaktightDuring actuationValve closes leaktight

Electrical connection

Solenoid valve

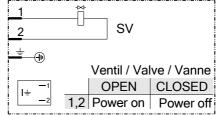
Power

Type 5/2 way
Voltage See solenoid

Connection type Rectangle plug,

Type B

See solenoid



Wiring diagram

Created by: LIN	Release date: 17.03.2015	2/2
Modified by:	Release date:	791343EA