

Product data sheet

Large pendulum valve, Series 168, DN 500 (ID 20") Ordering No. 16854-AA24

Description

ASA-500 Flange

Actuator Pneumatic, double acting

with position indicator

Feedthrough Rotary feedthrough

Technical data

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

Valve seat

 $1 \cdot 10^{-7}$ mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar Differential pressure at opening ≤ 30 mbar Conductance (molecular flow) 90 000 Is⁻¹ Cycles until first service 100 000

Valve body Temperature ≤ 120 °C - Actuator ≤ 80 °C (Maximum values: depending on operating conditions and - Position indicator ≤ 80 °C

sealing materials)

≤ 30 °C h⁻¹ Heating and cooling rate

Material EN AC-42100 (3.2371), EN AW-6082 (3.2315) Valve body

> - Mechanics EN AC-42100 (3.2371) EN AW-6082 (3.2315) Gate

EN AW-6082 (3.2315), AISI 303 (1.4305) Feedthrough

FKM (Viton®) Seal Bonnet FKM (Viton®) Gate

FKM (Viton®), NBR Actuator FKM (Viton®) Feedthrough

Mounting position any

3.3 I / 0.116 ft³ Volume of pneumatic actuator

Compressed air 5 - 7 bar / 73 - 102 psi

min. - max. overpressure

Compressed air connection 1/8" ISO / NPT

14 s Actuation time closing

opening 14 s

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Weight

Behavior in case of compressed

Behavior in case of power failure

air pressure drop

- Valve closed

Valve open

During actuation

- Valve closed - Valve open

During actuation

115 kg / 254 lbs

valve remains closed

undefined undefined

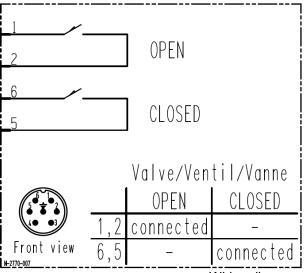
depending on customer installation depending on customer installation

depending on customer installation

Position indicator

Type Micro switch Voltage ≤ 50 V AC / DC

Current max. \leq 3 A



Wiring diagram

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