

Product data sheet Large pendulum valve, Series 168, DN 500 (ID 20") Ordering No. 16854-PA24

Description

ISO-F 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 ls⁻¹ Cycles until first service 100 000

Temperature Valve body ≤ 120 °C (Maximum values: depending - Actuator ≤ 80 °C 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

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

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

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

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

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

Actuation time 14 s closing

opening 14 s

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Weight 115 kg / 254 lbs

Behavior in case of compressed — Valve closed valve remains closed air pressure drop — Valve open undefined

During actuation undefined

Behavior in case of power failure - Valve closed valve remains closed

- Valve open valve closes

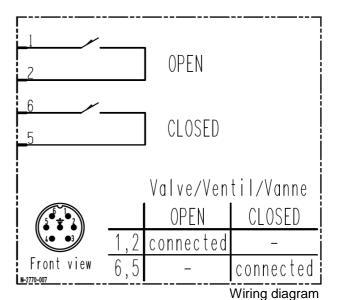
During actuation valve closes

Electrical connections

Position indicator

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

Current max. \leq 3 A



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