

Product data sheet

Large pendulum valves Series 168, DN 400 (16") Ordering No. 16852-JA24-0002

Description

JIS 400 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

 $< 1 \cdot 10^{-9} \, \text{mbar Is}^{-1}$ Valve seat

1 · 10⁻⁸ 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) 50 000 ls⁻¹

Cycles until first service 100 000

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

sealing materials)

 \leq 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 Gate EN AW-6082 (3.2315)

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

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

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

Mounting position any

2.0 I / 0.071 ft³ Volume of pneumatic actuator

Compressed air 5 - 7 bar / 73 - 102 psi

min. - max. overpressure

Compressed air connection 1/8" ISO / NPT

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Actuation time – closing 14 s

- opening 14 s

Weight 85 kg / 187 lbs

Behavior in case of compressed — Valve closed

air pressure drop – Valve open undefined – During actuation undefined

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

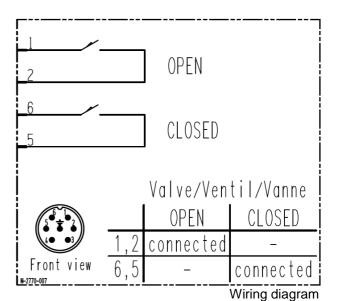
Valve openDuring actuationvalve closes

valve remains closed

Position indicator

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

Current max. \leq 3 A



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