

## Product data sheet Pendulum Isolation Valve, Series 162, DN 500 (ID 20") Ordering No. 16254-PA41-

## **Description**

Flange ISO-F 500

Actuator pneumatic, single acting with closing spring

with position indicator

- with solenoid

Feedthrough Rotary feedthrough

**Technical data** 

Leak rate – Valve body  $< 1 \cdot 10^{-9}$  mbar ls<sup>-1</sup>

- Valve seat < 1 ⋅ 10<sup>-9</sup> mbar ls<sup>-1</sup>

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

Differential pressure on the gate

- in closing direction  $\leq$  1.2 bar - in opening direction  $\leq$  1.2 bar

Differential pressure at opening

in closing directionin opening direction≤ 5 mbar≤ 5 mbar

Conductance (molecular flow) 100 000 Is<sup>-1</sup>

Cycles until first service 200 000

Temperature - Valve Body  $\le$  120 °C (Maximum values: depending on operating conditions and sealing materials) - Valve Body  $\le$  120 °C - Solenoid  $\le$  50 °C - Solenoid  $\le$  50 °C

Heating and cooling rate ≤ 30 °C h<sup>-1</sup>

Material – Valve body, gate EN AC- 42100 (3.2371), EN AW – 5083 (3.3547),

Sealing ring, EN AW 6082 (3.2315) feedthough AISI 304 (1.4301)

Seal – Bonnet – FKM (Viton®)

Gate, dynamic
 Feedthrough
 Actuator
 FKM (Viton<sup>®</sup>)
 FKM (Viton<sup>®</sup>)
 NBR

Mounting position any

Volume of pneumatic actuator 1.4 I / 0.047 ft<sup>3</sup>

Compressed air 5-7 bar / 73-102 psi

min. - max. overpressure

Compressed air connection G1/8" (ISO / NPT for USA)

Actuation time – closing 10 s

opening10 s

Weight 110 kg / 243 lbs

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valve remains closed

valve closes

Behavior in case of compressed — Valve closed

air pressure drop – Valve open

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

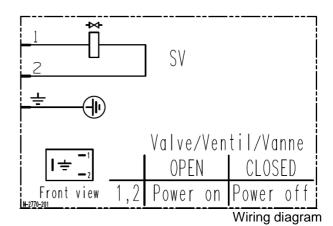
Valve open valve closes

## **Electrical connections**

#### Solenoid valve

Type 4/2 way

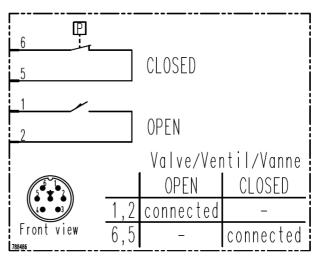
Voltage Defined by order



#### **Position indicator**

Type Micro switch
Voltage 12 - 24 V AC/DC

Current max. 5 – 20mA



Wiring diagram

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