## Description

| | |
|---|---|
| Flange | JIS 200 |
| Actuator | Pneumatic, double acting |
| | – with solenoid valve |
| | – with position indicator |
| Feedthrough | Shaft feedthrough |

## Technical data

| | | |
|---|---|---|
| Leak rate | – Valve body | $< 1 \cdot 10^{-9}$ mbar $ls^{-1}$ |
| | – Valve seat | $< 1 \cdot 10^{-9}$ mbar $ls^{-1}$ |
| Pressure range | | $1 \cdot 10^{-7}$ mbar to 1.6 bar (abs) |
| Differential pressure on the gate | | $\leq 1.6$ bar |
| Differential pressure at opening | | $\leq 30$ mbar |
| Conductance (molecular flow) | | 12 000 $ls^{-1}$ |
| Cycles until first service | | 100 000 (unheated and under clean conditions) |
| Temperature (Maximum values: depending on operating conditions and sealing materials) | – Valve body | $\leq 120$ °C |
| | – Actuator | $\leq 80$ °C |
| | – Solenoid valve | $\leq 50$ °C |
| | – Position indicator | $\leq 80$ °C |
| Heating and cooling rate | | 30 °C $h^{-1}$ |
| Material | – Valve body | EN AC-42100 (3.2371) |
| | – Mechanism | EN AW-6082 (3.2315) |
| Seal | – Bonnet | FKM (Viton®) |
| | – Gate | FKM (Viton®), O-ring |
| | – Actuator | FKM (Viton®), NBR (BUNA N®) |
| Mounting position | | any |
| Volume of pneumatic actuator | | 0.9 l / 0.032 $ft^3$ |
| Compressed air min. – max. overpressure | | 4 – 7 bar / 58 – 102 psi |
| Compressed air connection | | G ⅛" (⅛" NPT for USA) |
| Actuation time | – closing | 3.0 s |
| | – opening | 3.0 s |
| Weight | | 16.3 kg / 36 lbs |

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



Wiring diagram
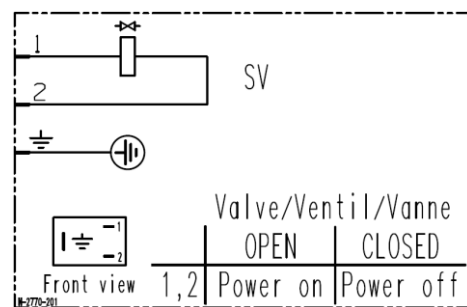
### Position indicator

| Type | Micro Switch | |
| Voltage | ≤ 250 V AC | ≤ 50 V DC |
| Current max. | ≤ 2.0 A | ≤ 1.2 A |



Wiring diagram