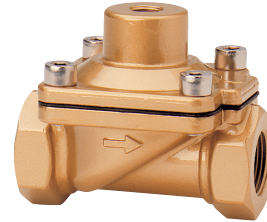


82160 2/2-way seat valves

- Port size: DN 8 ... 50, G1/4 ... 2 (ISO G)
- For fluids with high particle contamination
- Fluid isolated from valve actuator
- Optimised dimensions and weight
- Vacuum version as an option
- Compact valve for industrial applications
- International approvals



Technical features

Medium:

Neutral fluids with high particle contamination

Pilot fluid:

Air max. +60°C (+140°F)

Switching function:

Normally closed with pilot pressure

Operation:

Externally actuated seat valves

Type:

Pressure actuated seat valve with diaphragm actuator

Mounting position:

Optional

Flow direction:

Determined

Port size:

G1/4, G3/8, G1/2, G3/4, G1, G1 1/4, G1 1/2, G2

Pilot connection:

G1/4

Operating pressure:

0,2 ... 16 bar

Differential pressure:

0,2 bar required

Pilot pressure:

G1/4 ... 1/2
max. 6 bar higher than operating pressure
G3/4 ... 2
max. 1 bar higher than operating pressure

Fluid temperature:

–10 ... +90°C (+14 ... +194°F)

Ambient temperature:

–10 ... +60°C (+32 ... +140°F)

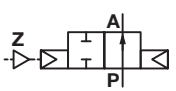
Viscosity:

Max. to 80 mm²/s

Material:

Body: Brass (CW617N)
Cover: Brass (2.0402)
Seat seals: NBR
Internal parts: Brass, Stainless steel
Main sealing element: Fabric reinforced NBR diaphragm with valve plate
Valve seat: Brass

Technical data – standard models

| Symbol | Port size | Orifice | Pilot connection | Flow kv value *1) (m ³ /h) | Operating pressure *2) | | Weight (kg) | Model |
|---|-----------|---------|------------------|--|------------------------|-------------|----------------|--------------------|
| | | (mm) | | | (bar) | (psi) | | |
|  | G1/4 | 8 | G1/4 | 1,7 | 0,2 ... 16 | 2,9 ... 232 | 0,5 | 8216000.0000.00000 |
| | G3/8 | 10 | G1/4 | 3,4 | 0,2 ... 16 | 2,9 ... 232 | 0,45 | 8216100.0000.00000 |
| | G1/2 | 12 | G1/4 | 4 | 0,2 ... 16 | 2,9 ... 232 | 0,4 | 8216200.0000.00000 |
| | G3/4 | 20 | G1/4 | 11 | 0,2 ... 16 | 2,9 ... 232 | 1,15 | 8216300.0000.00000 |
| | G1 | 25 | G1/4 | 13 | 0,2 ... 16 | 2,9 ... 232 | 1 | 8216400.0000.00000 |
| | G1 1/4 | 32 | G1/4 | 28 | 0,2 ... 16 | 2,9 ... 232 | 2,35 | 8216500.0000.00000 |
| | G1 1/2 | 40 | G1/4 | 31 | 0,2 ... 16 | 2,9 ... 232 | 2,1 | 8216600.0000.00000 |
| | G2 | 50 | G1/4 | 46 | 0,2 ... 16 | 2,9 ... 232 | 3,35 | 8216700.0000.00000 |

*1) Cv-value (US) ≈ kv value x 1,2

*2) For gases and liquid fluids up to 80 mm²/s (cSt)