

1. PISTON VALVES, SIZES 1/2" - 2"

FEATURES:

- Valve is controlled by compressed air acting on piston in the cylinder. We recommend using JAKSA 3-way control valve for pilot fluid shut-off. Various pneumatic control devices can also be used, however.
- Valve is shut by the spring force.
- When pilot pressure is applied (e.g. by activating the 3-way control valve) the valve opens. When pilot fluid is shut off the valve also shuts. Pilot fluid is exhausted through pipe vent.
- Required pilot pressure depends on main fluid pressure, but in must not exceed 10 bar.



2. AIR-OPERATED HIGH PRESSURE VALVES - max 400 bar

FEATURES:

- Valve is controlled by compressed air acting on piston in the cylinder.
- Valve is shut by the spring force.
- When pilot pressure is applied the valve opens. When pilot fluid is shut off the valve also shuts. Pilot fluid is exhausted through pipe vent.



3. DIAPHRAGM VALVES, SIZES 1" - 2"

FEATURES:

- Valve is controlled by pilot fluid (air, water) acting on the diaphragm which separates it from the main fluid.
- In its basic position, the valve is held open by means of spring force.
- When pilot fluid is applied the valve closes. Valve opens when the coil is energised and shuts off the pilot fluid. Pilot fluid is exhausted through pipe vent.
- Equired pilot pressure is 1 bar over the main fluid pressure, however, it must not exceed 8 bar.



TECHNICAL DATA:

- **Ports:** - 1" (DN25)
- 1 1/2" (DN40)
- 2" (DN50)
- **Differential pressure:** 0 - 6 bar
- **Pilot pressure:** max 8 bar
- **Body:** brass
- **Internal parts:** brass, stainless steel
- **Seals:** NBR, EPDM
- **Fluid temperature:** min -10°C; max +75°C
- **Ambient temperature:** max +55°C
- **Viscosity:** max 21 mm²/s
- **Response time:** 10 - 20 ms
- **Voltage:** 230, 115, 48, 24 V AC; 24, 12 V DC
- **Duty cycle:** continuous (ED100%)
- **Cycling rate:** 10 - 100 cycles/min
- **Electrical protection:** IP65
(with plug to ISO 4400)
Long term use in humid environment requires the use of sealing sets.
- explosionproof solenoids also available