Solenoid Valves

SVP0.S08 Valve Series
- SAE Cartridge - 250 bar
- Directional Valve - 3/2 Spool Type

Description
A Solenoid operated, 3 way 2 positions, spool type, direct acting, screw-in hydraulic directional cartridge valve. In the de-energized mode, the SVP0.S08 allows flow between ports 3 and 1, while blocking flow at 2. In the energized mode, flow is allowed between ports 2 and 1, while flow is blocked at 3. Even if port 1 may be fully pressurized, it is not intended to be used as the inlet. The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability. Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof. All valve parts are made of high strength steel. Spool is hardened and micron finished to ensure minimal wear and extended service life. Coil seals protect the solenoid system. Manual override option. Industry SAE common cavity.

Technical Data
- Maximum operating pressure: 250 bar
- Maximum flow: 12 l/min
- Maximum internal leakage: 85 cm³/min @ 250 bar
- External component treatment: Zn/Fe - standard (96h)
- O-ring Temperature Range: -30°C to 110°C (standard sealing NBR - BUNA-N)
- Fluids: Mineral - based or synthetics with lubricating properties
- Viscosities: 7.4 to 420 cSt
- Minimum pull-in voltage: 85% of nominal
- Filtration: 20/18/15 ISO 4406 (maximum filtration admitted)
- Orientation: No restrictions
- Installation torque: 35 - 40 Nm (Hex. 24)
- Oil testing condition: ISO VG 46 cSt
- Seal kit code: SK.035 and SK.027 (coil)
- Coil: 22W (for more details see page 410-425)
- Weight: 0.140 kg

Performance Details
Note: The performance chart illustrates flow handling capacity 3 to 1 (de-energized), 2 to 1 (energized). p/Q curves are recorded at TOil = 40°C and 46 cSt.

Ordering Code
Valve basic code
- S08: 3/4” - 16 UNF with ø15,87 and ø14,27 nose size.
- Marking: ø: standard factory marking. Customized marking can be done upon request
- Manual override: 1 and 3 connected, 2 blocked (de-energized)
- Flow path: 1 and 3, 2 blocked (energized)

Specifications may change without notice.