## SV1-8-4/4M - Solenoid Valve <br> 4-way, 2-position, spool type solenoid valve Up to $11 \mathrm{~L} / \mathrm{min}(3 \mathrm{USgpm}) \cdot 210$ bar (3000 psi)



Sectional View


## Description

This is a 4-way 2-position, direct acting, spool type solenoid valve. This valve can be used in applications where the motion of a double acting cylinder or a motor needs to be reversed.

Operation
In the de-energized position this valve allows flow from port 4 to port 1 and from port 3 to port 2.

Performance Data

Features
Hardened, ground and honed working parts to limit leakage. IP69K Tough coil compatibility. Continuously rated. Compact design with low pressure drop. Rated pressure on all ports.

Ratings and Specifications

| Performance data is typical with fluid at $21,8 \mathrm{CST}(105 \mathrm{SUS})$ and $49^{\circ} \mathrm{C}\left(120^{\circ} \mathrm{F}\right)$ |  |
| :---: | :---: |
| Typical application pressure (all ports) | 210 bar (3000 psi) |
| Cartridge fatigue pressure (infinite life) | 210 bar (3000 psi) |
| Rated flow | $11 \mathrm{~L} / \mathrm{min}$ ( 3 USgpm ) |
| Internal leakage (per land) | $82 \mathrm{~cm}^{3} / \mathrm{min}\left(5 \mathrm{in}^{3} / \mathrm{min}\right) \mathrm{max}$ @ $210 \mathrm{bar}(3000 \mathrm{psi})$ |
| Temperature range | $-40^{\circ}$ to $120^{\circ} \mathrm{C}\left(-40^{\circ}\right.$ to $\left.248^{\circ} \mathrm{F}\right)$ |
| Coil duty | Continuous from $85 \%$ to $110 \%$ of nominal voltage |
| Cavity | C-8-4 |
| Fluids | All general purpose hydraulic fluids such as: MIL-H-5606, SAE 10, SAE 20, etc. |
| Filtration | Cleanliness code 18/16/13 |
| Housing material (standard) | Aluminum |
| Weight including coil | 0,31 kg (0.69 lbs) |
| Seal kit | 02-160757 (Buna-N), 02-160758 (Viton ${ }^{\circ}$ ) |
| Viton is a registered trademark of E.I. DuPont |  |

Pressure Drop
Cartridge only


> A - Port 3 to port 4 or port 3 to port 2
> B - Port 4 to port 1
> C - Port 2 to port 1

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A - Aluminum


Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

