

Solenoid Valves

SV17M-12-4P

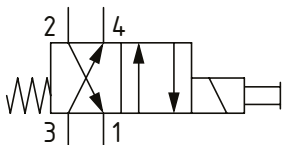
Solenoid Valve, 4-way, 2-position, Spool Type

350 bar [5000 psi] • 45 l/min [12 US gpm]

OPERATION AND DESCRIPTION

This is a 4-way, 2-position, spool type, direct acting solenoid valve. When de-energized, port 3 is open to 4 and port 2 to 1. In the energized condition, port 3 is open to 2 and port 4 to 1. These valves can be used to isolate a function when required. Always check the operating envelope to make sure the valve will work under the required application conditions.

SCHEMATIC



PERFORMANCE DATA

Rated Pressure	350 bar [5000 psi]*
Flow Capability	45 l/min [12 US gpm]
Coil Options	R series
Weight	0.86 kg [1.9 lb]
Cavity	C-12-4

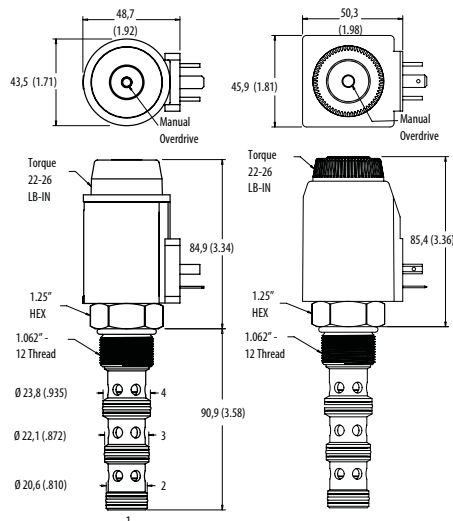
*Max pressure at port 1 is 210 bar [3000 psi]

DIMENSIONS

mm [in]

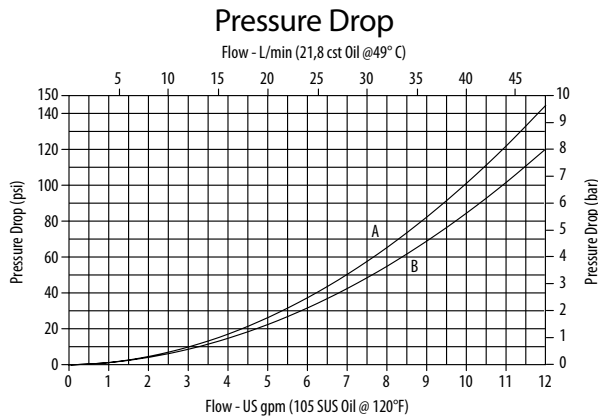
Coil Nut Torque

2.5-3 Nm [1.8-2.2 ft. lbs]



Installation torque
81-95 Nm [60-70 ft. lbs]

PERFORMANCE CURVES



A - Port 2 to 1, port 3 to 4 • B - Port 3 to 2, port 4 to 1

MODEL CODE

SV17M - 12 - V - 4P - A - 6G - 12D - N - R

<p>Seal Option</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Seal kit</th> </tr> </thead> <tbody> <tr> <td>Omit-Buna - N</td> <td>02-160980</td> </tr> <tr> <td>M-Viton</td> <td>02-160979</td> </tr> </tbody> </table> <p>Housing Material</p> <p>Omit - No housing A - Aluminum S - Steel</p> <p>Housing</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Ports</th> <th>Aluminum</th> <th>Steel</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Housing</td> <td></td> <td></td> </tr> <tr> <td>6G</td> <td>3/4" BSP</td> <td>5986432-001</td> <td>5991073-001</td> </tr> <tr> <td>10T</td> <td>#10 SAE</td> <td>5986434-001</td> <td></td> </tr> <tr> <td>12T</td> <td>#12 SAE</td> <td>5986436-001</td> <td></td> </tr> <tr> <td>10H</td> <td>#10 SAE</td> <td></td> <td>5991074-001</td> </tr> <tr> <td>12H</td> <td>#12 SAE</td> <td></td> <td>5991075-001</td> </tr> </tbody> </table> <p>* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi]. * Additional housings available</p>	Code	Seal kit	Omit-Buna - N	02-160980	M-Viton	02-160979	Code	Ports	Aluminum	Steel	0	No Housing			6G	3/4" BSP	5986432-001	5991073-001	10T	#10 SAE	5986434-001		12T	#12 SAE	5986436-001		10H	#10 SAE		5991074-001	12H	#12 SAE		5991075-001	<p>Coil Series</p> <p>Omit - No coil R - R series, 30W</p> <p>Connector Type</p> <p>Omit - No coil N - Deutsch male, DT04-2P, integrated</p> <p>Coil Voltage</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Coil Voltage</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>No Coil, nut included, (p/n 6036194-001)</td> </tr> <tr> <td>12D</td> <td>12 VDC</td> </tr> <tr> <td>24D</td> <td>24 VDC</td> </tr> <tr> <td>12B</td> <td>2VDC/w diode*</td> </tr> <tr> <td>24B</td> <td>24 VDC/w diode*</td> </tr> </tbody> </table> <p>*Optional arc suppression diode **Internally rectified</p>	Code	Coil Voltage	00	No Coil, nut included, (p/n 6036194-001)	12D	12 VDC	24D	24 VDC	12B	2VDC/w diode*	24B	24 VDC/w diode*
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