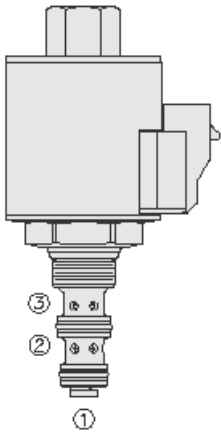




Overview



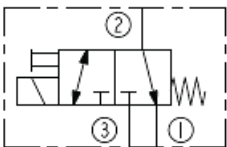
Description

A solenoid operated, 3 way, direct acting, spool type, screw in hydraulic directional valve for high pressure circuits.

Operation

When de-energized, the SV58-30 allows flow from port 2 to port 1. While blocking flow at port 3. When energized, the cartridges spool shifts to open from port 3 to port 2, while blocking flow out port 1, while port 1 may be fully pressurized, it is not intended to be used as the inlet.

Symbol



Ratings

Flow Ratings

Flow rating	See performance chart
Maximum internal leakage	131 ml/min (8 in ³ /min) - Note: From port 3 (de-energized) at 345 bar (5000 psi)

Pressure Ratings

Pressure rating	See performance chart
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Temperature Ratings

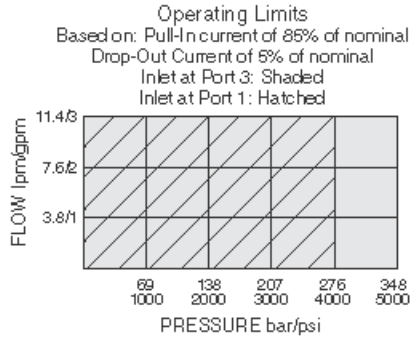
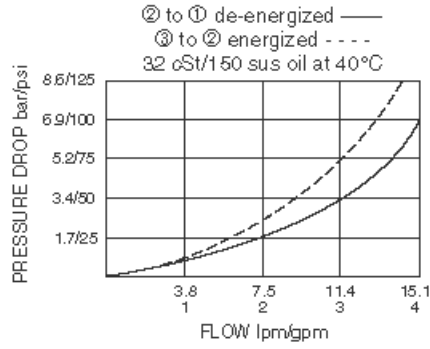
Operating fluid temperature	-40 to 100 °C (-40 to 212 °F)	- Note: With buna N seals
	-26 to 204 °C (-15 to 400 °F)	- Note: With viton seals
	-54 to 107 °C (-65 to 225 °F)	- Note: With polyurethane seals

Properties

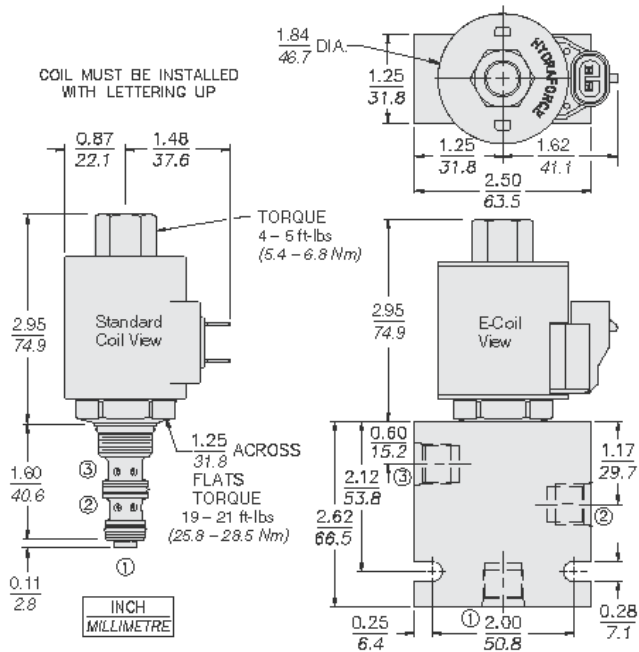
Materials	Steel with hardened work surfaces zinc-plated exposed
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Performance



Dimensions



Order Code



SV58-30					
<u>Option</u>		<u>Voltage</u>		<u>Termination (VDC)</u>	
None (Blank)		<u>Std. Coil</u>		<u>Std. D-Coil</u>	
		0 Less Coil**	DS	Dual Spades	
		10 10 VDC†	DG	DIN 43650	
		12 12 VDC	DL	Leadwires (2)	
		24 24 VDC	DL/W	Leads w/Weatherpack Connectors	
<u>Porting</u>		36 36 VDC	DR	Deutsch DT04-2P	
Cartridge Only	0	48 48 VDC		<u>Termination (VAC)</u>	
SAE 6	6T	24 24 VAC		<u>Std. D-Coil</u>	
1/4 in. BSP*	2B	115 115 VAC	AG	DIN 43650	
*BSP Body; U.K. Mfr. Only		230 230 VAC	AP	1/2 in. Conduit	
		**Includes Std. Coil Nut		<u>Termination (VDC)</u>	
		† DS, DG or DL terminations only		<u>E-Coil</u>	
<u>Seals</u>			EG	DIN 43650 – IP65/IP67	
Buna N (Std.)	N	<u>E-Coil</u>	EJ	Amp Junior Timer – IP69K	
Fluorocarbon	V	10 10 VDC	EL	Leadwires (2) – IP69K	
Polyurethane	P	12 12 VDC	ER	Deutsch DT04-2P – IP69K	
Polyurethane seals are required for operation over 241 bar (3500 psi).		20 20 VDC	EY	Metri-Pack® 150 – IP69K	
		24 24 VDC		Coils with internal diode are available. Consult factory	

Note: This is an 08-size valve which fits an 08-size cavity but uses a 10-size coil.

Model Options

SV58-30E-H-J-L

E Manual Override

CODE	DESCRIPTION
BLANK	NONE
M	Two Position Override, Red Knurled Knob

H Line Body

CODE	DESCRIPTION
0	No Body
4T	Aluminum SAE 4
6T	Aluminum SAE 6
6TD	Ductile Iron SAE 6
8TD	Ductile Iron SAE 8
3B	Aluminum BSPP 3/8" (3)
3BD	Ductile Iron BSPP 3/8" (3)

J Seal

CODE	DESCRIPTION
N	Buna-N
V	Fluorocarbon
P	Polyurethane

L Coil

CODE	DESCRIPTION
0	No Coil
10DG	10 VDC, D-Coil, DIN 43650
10DL	10 VDC, D-Coil, Dual Lead Wires
10DR/D	10 VDC, D-Coil, Deutsch with Diode
10DS	10 VDC, D-Coil, Dual Spade
10EL	10 VDC, E-Coil, Dual Lead Wires
10ER	10 VDC, E-Coil, Deutsch
10ER/Z	10 VDC, E-Coil, Deutsch with Zener Diode
12DG	12 VDC, D-Coil, DIN 43650
12DL	12 VDC, D-Coil, Dual Lead Wires, 18 inches long



CODE	DESCRIPTION
12DL/36	12 VDC, D-Coil, Dual Lead Wires, 36 inches long
12DL/W	12 VDC, D-Coil, Dual Lead Wires with Weatherpak
12DL/W/D	12 VDC, D-Coil, Dual Lead Wires with Weatherpak with Diode
12DR	12 VDC, D-Coil, Deutsch
12DR/D	12 VDC, D-Coil, Deutsch with Diode
12DR/Z	12 VDC, D-Coil, Deutsch with Zener Diode
12DS	12 VDC, D-Coil, Dual Spade
12EG	12 VDC, E-Coil, DIN 43650
12EJ	12 VDC, E-Coil, AMP Jr.
12EL	12 VDC, E-Coil, Dual Lead Wires, 18 inches long
12EL/36	12 VDC, E-Coil, Dual Lead Wires, 36 inches long
12EL/W/Z	12 VDC, E-Coil, Dual Lead Wires with WeatherPak and Zener Diode
12EL/Z	12 VDC, E-Coil, Dual Lead Wires with Zener Diode
12ER	12 VDC, E-Coil, Deutsch
12ER/Z	12 VDC, E-Coil, Deutsch with Zener Diode
12EY	12 VDC, E-Coil, Metri-Pack 150
12EY/Z	12 VDC, E-Coil, Metri-Pack 150 with Zener Diode
20DR/D	20 VDC, D-Coil, Deutsch with Diode
20DS	20 VDC, D-Coil, Dual Spade
20ER	20 VDC, E-Coil, Deutsch
24AG	24 VDC, D-Coil, DIN 43650
24AP	24 VDC, D-Coil, 1/2" Conduit and Dual Lead Wires
24DG	24 VDC, D-Coil, DIN 43650
24DL	24 VDC, D-Coil, Dual Lead Wires
24DL/W	24 VDC, D-Coil, Dual Lead Wires with Weatherpak
24DL/W/D	24 VDC, D-Coil, Dual Lead Wires with Weatherpak with Diode
24DP	24 VDC, D-Coil, 1/2" Conduit and Dual Lead Wires
24DR	24 VDC, D-Coil, Deutsch
24DR/D	24 VDC, D-Coil, Deutsch with Diode
24DS	24 VDC, D-Coil, Dual Spade
24EG	24 VDC, E-Coil, DIN 43650
24EJ	24 VDC, E-Coil, AMP Jr.
24EL	24 VDC, E-Coil, Dual Lead Wires, 18 inches long
24EL/36	24 VDC, E-Coil, Dual Lead Wires, 36 inches long
24EL/W/Z	24 VDC, E-Coil, Dual Lead Wires with WeatherPak and Zener Diode
24ER	24 VDC, E-Coil, Deutsch
24ER/Z	24 VDC, E-Coil, Deutsch with Zener Diode
24EY	24 VDC, E-Coil, Metri-Pack 150
24EY/Z	24 VDC, E-Coil, Metri-Pack 150 with Zener Diode
36DS	36 VDC, D-Coil, Dual Spade
115AG	115 VAC, D-Coil, DIN 43650
115AP	115 VAC, D-Coil, 1/2" Conduit and Dual Lead Wires



CODE	DESCRIPTION
230AG	230 VAC, D-Coil, DIN 43650
230AP	230 VAC, D-Coil, 1/2" Conduit and Dual Lead Wires