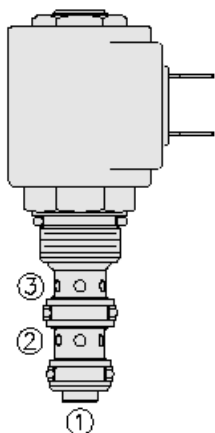
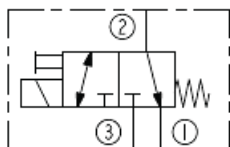




## Overview



### Symbol



### Description

A solenoid-operated, 3 port, direct-acting, spool type, screw in hydraulic directional valve. When de-energized, the SV08-30 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.

### Features

- Continuous-duty rated coil.
- Hardened precision spool and cage for long life.
- Optional coil voltages and terminations.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- All ports may be fully pressurized.
- Unitized, molded coil design.
- Manual override option.
- Optional waterproof E-Coils rated up to IP69K.
- Fully guided spool.
- Industry common cavity “C” Compact size.

## Ratings

### Pressure Ratings

Pressure rating 207 bar (3000 psi)

### Flow Ratings

Maximum internal leakage 82 ml/min (5 in<sup>3</sup>/min) - **Note:** Port 3 (de-energized) at 207 bar (3000 psi)  
164 ml/min (10 in<sup>3</sup>/min) - **Note:** Port 1 (energized) at 207 bar (3000 psi)

### Temperature Ratings

Operating fluid temperature -40 to 100 °C (-40 to 212 °F) - **Note:** With buna N seals  
Storage temperature -40 to 70 °C (-40 to 160 °F) - **Note:** Buna N  
Ambient temperature -40 to 70 °C (-40 to 160 °F)

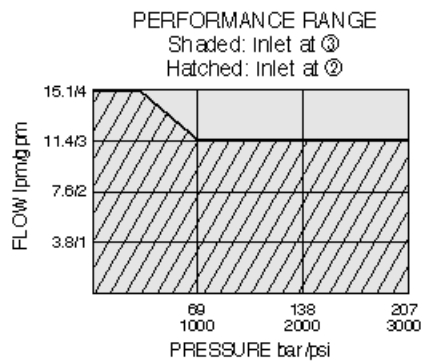
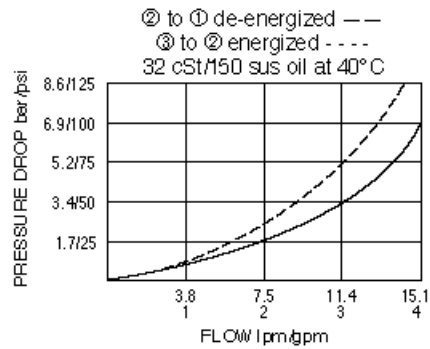
## Operating Parameters

Fluids Mineral based or synthetic hydraulic fluid with lubricating properties  
Fluid viscosity range 7.4 to 420 cSt  
Maximum operating contamination 18/16/13 per ISO 4406 level

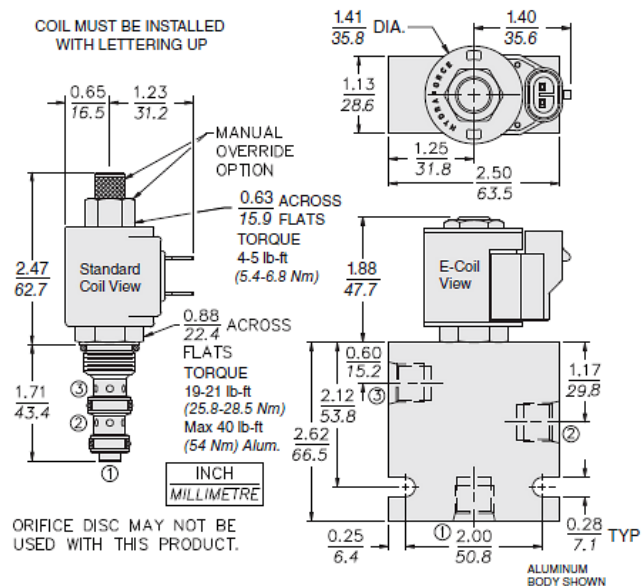
## Properties

Materials Steel with hardened work surface zinc-plated exposed

## Performance



## Dimensions



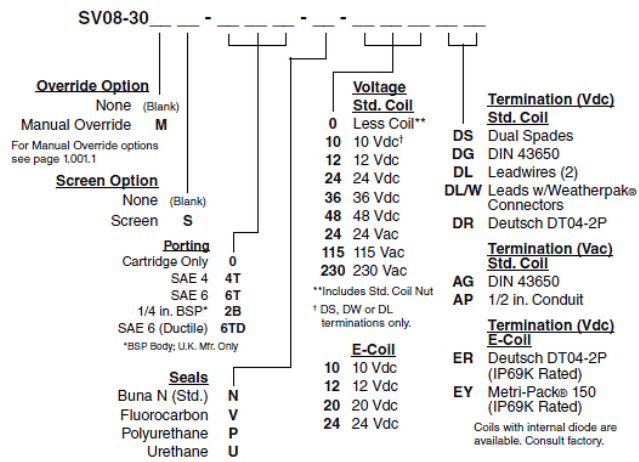
## Installation Specifications

|                               |                                   |
|-------------------------------|-----------------------------------|
| Cavity                        | VC08-3                            |
| Cartridge installation torque | 25.8 to 28.5 N-m (19 to 21 ft-lb) |
| Coil nut torque               | 5.4 to 6.8 N-m (4 to 5 ft-lb)     |
| Orientation restriction       | None                              |

## Accessories

|          |            |
|----------|------------|
| Seal kit | SK08-3N-MM |
|----------|------------|

## Order Code



## Model Options

### SV08-30EG-H-J-L

#### E Manual Override

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

#### G Screen

| CODE  | DESCRIPTION    |
|-------|----------------|
| BLANK | NONE           |
| S     | 60 Mesh Screen |

#### 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  |
| U    | PPDI Urethane |

#### L Coil

| CODE   | DESCRIPTION                                     |
|--------|-------------------------------------------------|
| 0      | No Coil                                         |
| 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, 18 inches long |



| CODE     | DESCRIPTION                                                |
|----------|------------------------------------------------------------|
| 10EL/36  | 10 VDC, E-Coil, Dual Lead Wires, 36 inches long            |
| 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            |
| 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                                  |
| 12EG/Z   | 12 VDC, E-Coil, DIN 43650 with Zener Diode                 |
| 12EJ     | 12 VDC, E-Coil, AMP Jr.                                    |
| 12EJ/Z   | 12 VDC, E-Coil, AMP Jr. with Zener Diode                   |
| 12EL     | 12 VDC, E-Coil, Dual Lead Wires, 18 inches long            |
| 12EL/36  | 12 VDC, E-Coil, Dual Lead Wires, 36 inches long            |
| 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            |
| 20DG     | 20 VDC, D-Coil, DIN 43650                                  |
| 20DS     | 20 VDC, D-Coil, Dual Spade                                 |
| 20ER     | 20 VDC, E-Coil, Deutsch                                    |
| 20ER/Z   | 20 VDC, E-Coil, Deutsch with Zener Diode                   |
| 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, 18 inches long            |
| 24DL/36  | 24 VDC, D-Coil, Dual Lead Wires, 36 inches long            |
| 24DL/W   | 24 VDC, D-Coil, Dual Lead Wires with Weatherpak            |
| 24DR     | 24 VDC, D-Coil, Deutsch                                    |
| 24DR/D   | 24 VDC, D-Coil, Deutsch with Diode                         |
| 24DR/Z   | 24 VDC, D-Coil, Deutsch with Zener Diode                   |
| 24DS     | 24 VDC, D-Coil, Dual Spade                                 |
| 24EG     | 24 VDC, E-Coil, DIN 43650                                  |
| 24EG/Z   | 24 VDC, E-Coil, DIN 43650 with Zener Diode                 |
| 24EJ     | 24 VDC, E-Coil, AMP Jr.                                    |
| 24EL/D   | 24 VDC, E-Coil, Dual Lead Wires with Diode                 |
| 24ER     | 24 VDC, E-Coil, Deutsch                                    |
| 24ER/Z   | 24 VDC, E-Coil, Deutsch with Zener Diode                   |



| CODE   | DESCRIPTION                                       |
|--------|---------------------------------------------------|
| 24EY   | 24 VDC, E-Coil, Metri-Pack 150                    |
| 24EY/Z | 24 VDC, E-Coil, Metri-Pack 150 with Zener Diode   |
| 36DG   | 36 VDC, D-Coil, DIN 43650                         |
| 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 |
| 230AG  | 230 VAC, D-Coil, DIN 43650                        |
| 230AP  | 230 VAC, D-Coil, 1/2" Conduit and Dual Lead Wires |