## SJ-S2C    PILOT OPERATED POPPET, 2 WAY NORMALLY OPEN
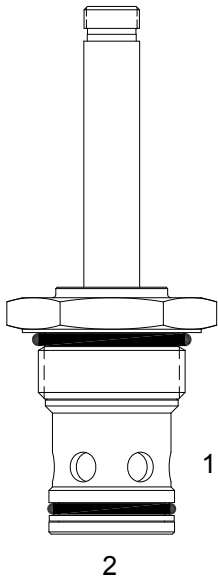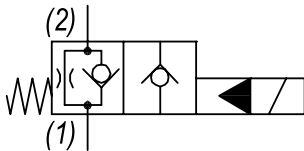
### DESCRIPTION
16 size, 1 5/16-12 thread, "SIXTEEN" series, solenoid operated, 2 way normally open, pilot operated poppet valve with free reverse flow energized.
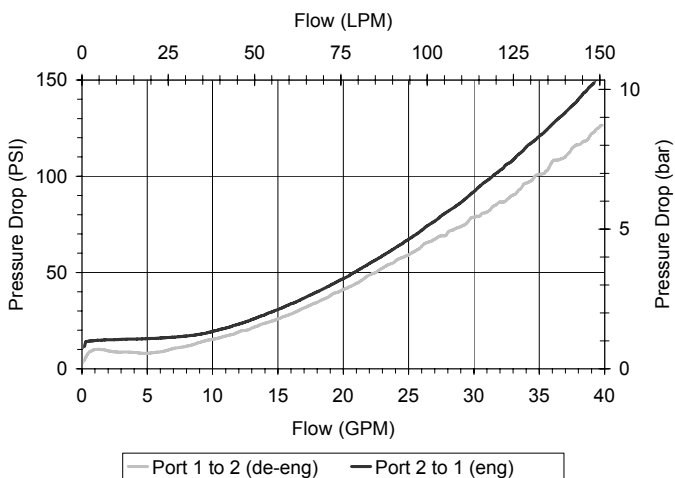
### OPERATION
When de-energized the SJ-S2C allows flow to pass from (1) to (2), but restricts flow from (2) to (1).
When energized the valve blocks flow from (1) to (2) but allows free reverse flow from (2) to (1).

### FEATURES
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof, Thermal Shock, Immersion Safe.
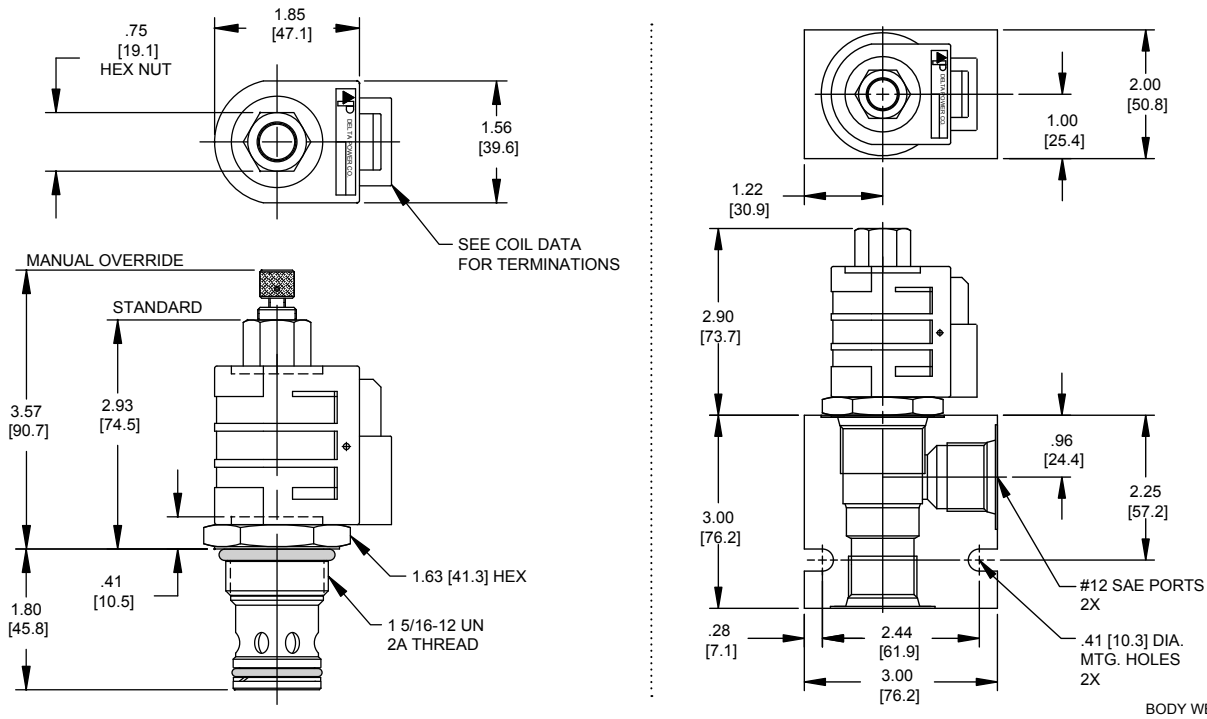
## HYDRAULIC SYMBOL

## PERFORMANCE

Actual Test Data (Cartridge Only)

Port 1 to 2 (de-eng)    Port 2 to 1 (eng)

## VALVE SPECIFICATIONS

| | |
|---|---|
| Nominal Flow | 40 GPM (151 LPM) |
| Rated Operating Pressure | 3000 PSI (207 bar) |
| Typical Internal Leakage (150 SSU) | 0-10 drops/min |
| Viscosity Range | 36 to 3000 SSU (3 to 647 cSt) |
| Filtration | ISO 18/16/13 |
| Media Operating Temp. Range | -40° to 250°F (-40° to 120°C) |
| Weight | .74 lbs (.33 kg) |
| Operating Fluid Media | General Purpose Hydraulic Fluid |
| Cartridge Torque Requirements | 90 ft-lbs (122 Nm) |
| Coil Nut Torque Requirements | 4-6 ft-lbs (5.4-8.1 Nm) |
| Cavity | SIXTEEN 2W |
| Cavity Tools Kit (form tool, reamer, tap) | 40500017 |
| Seal Kit | 21191400 |

**Delta Power Company**

4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526
mail: delta@delta-power.com • **www.delta-power.com**

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## DIMENSIONS



.75 [19.1] HEX NUT

1.85 [47.1]

1.56 [39.6]

SEE COIL DATA FOR TERMINATIONS

MANUAL OVERRIDE

STANDARD

3.57 [90.7]

2.93 [74.5]

1.80 [45.8]

.41 [10.5]

1.63 [41.3] HEX

1 5/16-12 UN 2A THREAD

2.00 [50.8]

1.00 [25.4]

1.22 [30.9]

2.90 [73.7]

3.00 [76.2]

.96 [24.4]

2.25 [57.2]

.28 [7.1]

2.44 [61.9]

3.00 [76.2]

#12 SAE PORTS 2X

.41 [10.3] DIA. MTG. HOLES 2X

BODY WEIGHT: 1.29 lbs (.58 kg)

## ORDERING INFORMATION

*Approximate Coil Weight: .74 lbs (.33 kg)*

SJ-S2C – _ – _ – _ – _

| | OPTIONS | |
|---|---|---|
| Buna Standard | **00** | |
| Viton Standard | **V0** | |
| Buna, Screen | **A0** | |
| Viton, Screen | **W0** | |
| Buna, Override, Knob | **0K** | |
| Viton, Override, Knob | **VK** | |
| Buna, Screen, Override | **B2** | |
| Viton, Screen, Override | **V2** | |

**Note: use screen only if flow direction is from (1) to (2)**

| | BODIES | |
|---|---|---|
| **Blank** | Without Body | |
| **N** | 3/4 NPTF Ports | |
| **S** | #12 SAE Ports | |

| | VOLTAGE |
|---|---|
| **06** | 6 VDC |
| **12** | 12 VDC |
| **24** | 24 VDC |
| **36** | 36 VDC |
| **48** | 48 VDC |
| **25** | 24 VAC |
| **11** | 115 VAC |
| **22** | 220 VAC |
| **44** | 440 VAC |

**"D" COIL TERMINATION**
*(All DC Except as Noted)*

| | | | | | |
|---|---|---|---|---|---|
| **DL** | Double Lead | **SS** | Single Spade | **IA** | "I" Coil AMP Superseal - Integral |
| **DT** | Deutsch on Leads DT04-2P | **DS** | Double Spade | **ID** | "I" Coil Deutsch - Integral DT04-2P |
| **ML** | Metri-Pack on Leads | **HC** | DIN 43650 (Hirschmann) - (AC&DC) | **IJ** | "I" Coil AMP Jr. Timer - Integral |
| **PL** | Packard on Leads | **CL** | Conduit Lead - (AC Only) | **IM** | "I" Coil Metri-Pack - Integral |
| **WL** | Weatherpack on Leads | **DI** | Deutsch - Integral DT04-2P | | |

**IMMERSION PROOF "D" TYPE**

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