

**PQ-S40 DIRECT ACTING SPOOL, 4 WAY 3 POSITION, OPEN CENTER**



**DESCRIPTION**

8 size, 3/4-16 thread, "Power" series, solenoid operated, 4 way 3 position, open center spool valve.

**OPERATION**

When de-energized the PQ-S40 allows flow to all ports, and pressures are relieved. When outer coil (S1) is energized the valve allows flow from (2) to (1) and from (3) to (4). When inner coil (S2) is energized the valve allows flow from (2) to (3) and from (1) to (4).

**OPERATION OF MANUAL OVERRIDE OPTION:** push Only Override - Spring biased in neutral center position, when pushed the valve shifts in the (S2) direction.

**FEATURES**

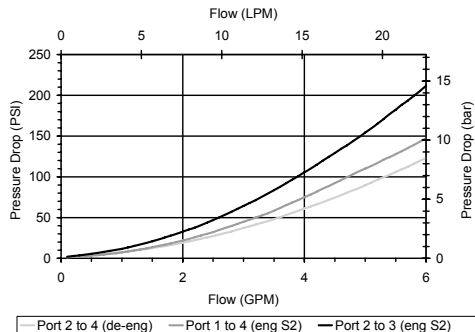
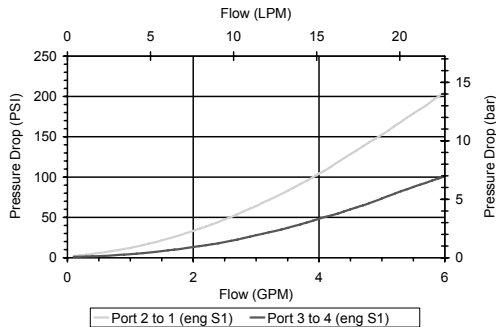
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Optional manual "push only" override.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I"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



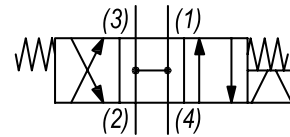
Uses "P" Power coil. For higher flow see PQ-S4T.  
"OP" override is a push only non-detented button that actuates (S2) direction.  
For "I" coil environmental protection options, consult factory for special build configuration per Delta Standard 40295013.

**PERFORMANCE**

Actual Test Data (Cartridge Only)



**HYDRAULIC SYMBOL**



**VALVE SPECIFICATIONS**

Nominal Flow	3 GPM (11 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min) per path
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	.42 lbs (.19 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	POWER 4W
Cavity Tools Kit	
(form tool, reamer, tap)	40500029
Seal Kit	21191108

**WARNING:** the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

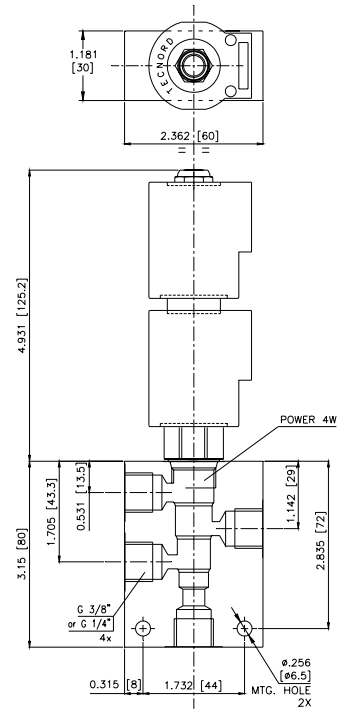
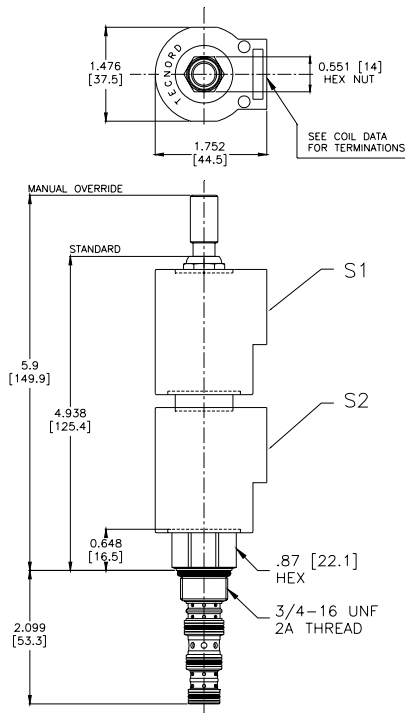


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## DIMENSIONS



## ORDERING INFORMATION

Approximate Coil Weight: .56 lbs (.25 kg)

PQ-S40

### OPTIONS

Buna Standard **00**  
 Viton Standard **V0**  
 Buna, Push Only Override **0P**  
 Viton, Push Only Override **VP**

### BODIES

Blank Without Body  
**N** 1/4" BSP Ports  
**N1** 3/8" BSP Ports  
**S** #6 SAE Ports

### VOLTAGE (other voltages available on request)

**12** 12 VDC  
**24** 24 VDC  
**22** 220 VAC without internal rectifier

### "V" COIL TERMINATION

(All DC Except as Noted)

**DL** Double Lead  
 (several types of termination can be attached on leads on request)

**HC** DIN 43650 (Hirschmann) - (AC&DC)  
**DI** Deutsch - Integral DT04-2P

**DIA** "I" Coil AMP Superseal - Integral  
**DID** "I" Coil Deutsch - Integral DT04-2P  
**DIJ** "I" Coil AMP Jr. Timer - Integral  
**DIM** "I" Coil Metri-Pack - Integral

### IMMERSION PROOF "D" TYPE

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