# PQ-S4D DIRECT ACTING SPOOL, 4 WAY 2 POSITION, CRISS CROSS

# 

### **DESCRIPTION**

8 size, 3/4-16 thread, "Power" series, solenoid operated, 4 way 2 position, criss cross, bottom flow spool valve.

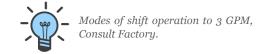
#### **OPERATION**

When de-energized the PQ-S4D allows flow from (3) to (2), and from (4) to (1). When energized the valve allows flow from (1) to (2) and from (4) to (3).

**OPERATION OF MANUAL OVERRIDE OPTION:** to override, pull knob out. On the detented version, after pulling knob out twist 180 degrees and release. The valve will remain in that position.

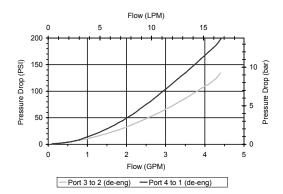
#### **FEATURES**

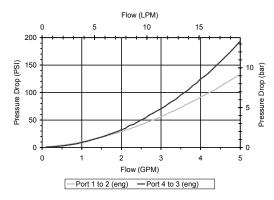
- Hardened parts for long life.
- · Efficient wet-armature construction.
- · Cartridges are voltage interchangeable.
- · Manual override option.
- · Industry common cavity.
- · Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: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



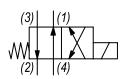
#### **PERFORMANCE**

Actual Test Data (Cartridge Only)





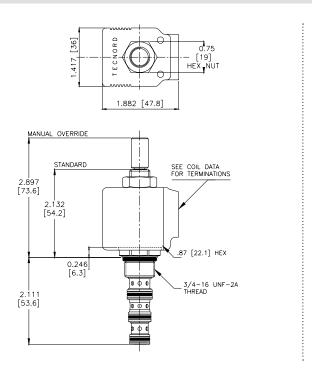
### **HYDRAULIC SYMBOL**

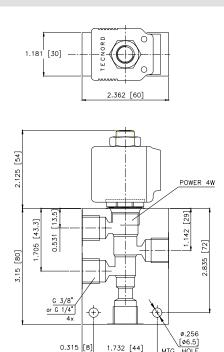


VALVE SPECIFICATIONS	
Nominal Flow	2.5 GPM (9.5 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min) per path
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.24 lbs (.11 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.

## **DIMENSIONS**





#### **ORDERING INFORMATION** Approximate Coil Weight: .42 lbs (.19 kg) PQ-S4D **BODIES OPTIONS** Buna Standard 00 Blank Without Body Viton Standard V0 Ν 1/4" BSP Ports 3/8" BSP Ports Buna, Override, Detent 0M N1 #6 SAE Ports Viton, Override, Detent VM S Buna, Override, Non-Detent В1 Viton, Override, Non-Detent **V1 VOLTAGE** (other voltages available on request) 12 VDC 12 24 VDC 24 22 220 VAC without internal rectifier **"P" TYPE "J" COIL TERMINATION** JA "J" Coil AMP Superseal - Integral JJ "J" Coil AMP Jr. Time - Integral JĹ "J" Coil Double Lead

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JD "J" Coil Deutsch - Integral DT04-2P

"J" Coil DIN 43650 (Hirschmann)

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