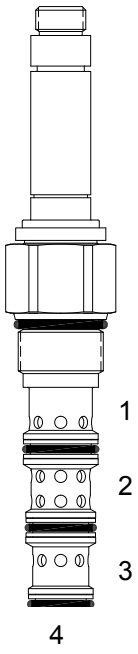
HV-S4A DIRECT ACTING SPOOL, 4 WAY 2 POSITION, CRISS CROSS



DESCRIPTION

"High pressure" 12 size, 1 1/16-12 thread, "TWELVE" series, solenoid operated, 4 way 2 position, criss cross side flow spool valve.

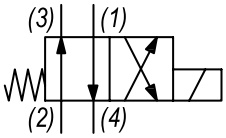
OPERATION

When de-energized the HV-S4A allows flow from (1) to (4) and from (2) to (3). When energized the valve allows flow from (2) to (1) and from (3) to (4).

FEATURES

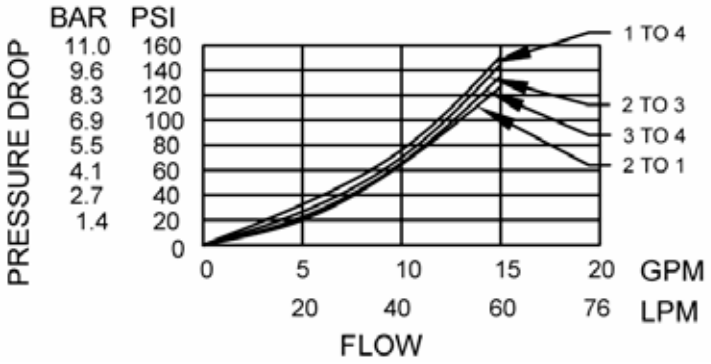
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.

HYDRAULIC SYMBOL



PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

Nominal Flow	15 GPM (57 LPM)
Rated Operating Pressure	5000 PSI (345 bar)
Typical Internal Leakage (150 SSU)	8 cu in/min (131 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	1.07 lbs (.48 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	70 ft-lbs (94.9 Nm)
Coil Nut Torque Requirements	5-7 ft-lbs (6.8-9.5 Nm)
Cavity	TWELVE 4W
Cavity Tools Kit (form tool, reamer, tap)	40500035
Seal Kit	21191309

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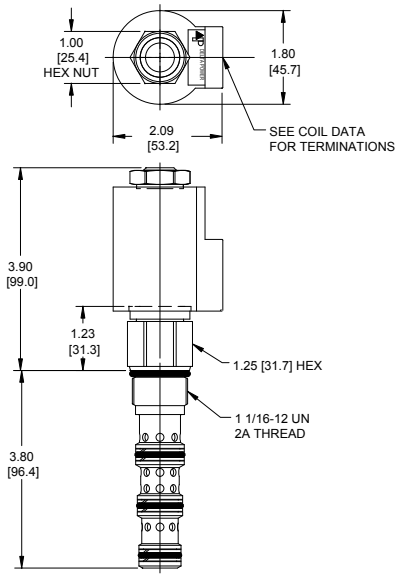
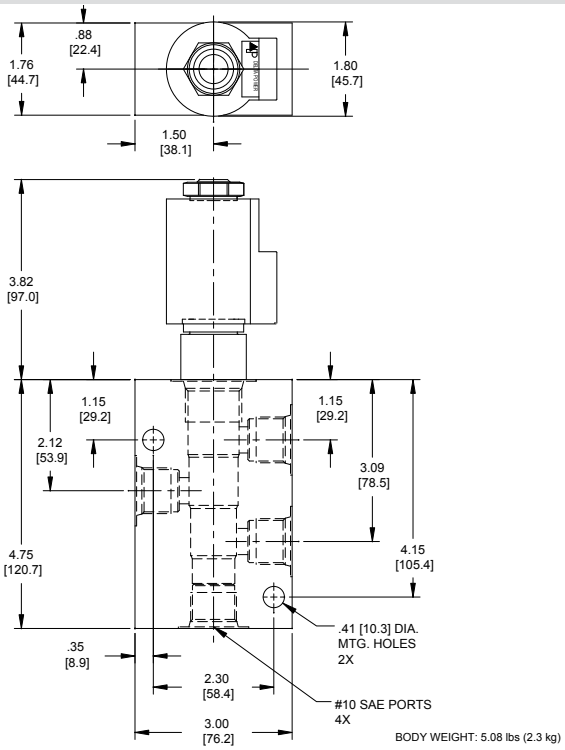
DIMENSIONS





ORDERING INFORMATION

Approximate Coil Weight: .89 lbs (.41 kg)

HV-S4A – ____ – ____ – ____ – ____

OPTIONS

Buna Standard	**00**
Viton Standard	**V0**

BODIES

Blank	Without Body
S	#10 SAE Ports

"T" COIL TERMINATION
(All DC Except as Noted)

Double Lead	**DL**
Deutsch on Leads	**DT**
Metri-Pack on Leads	**ML**
Packard on Leads	**PL**
Weatherpack on Leads	**WL**
Double Spade	**DS**
DIN 43650 (Hirschmann) - (AC&DC)	**HC**

VOLTAGE

06	6 VDC
12	12 VDC
24	24 VDC
36	36 VDC
48	48 VDC
25	24 VAC
11	120 VAC
22	220 VAC

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