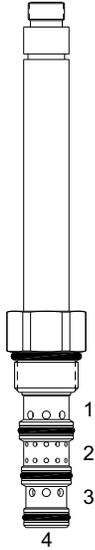


HDG-S4M DIRECT ACTING SPOOL, 4 WAY 3 POSITION, MOTOR CENTER



DESCRIPTION

“High Pressure” 10 size, 7/8-14 thread, “Delta” series, solenoid operated, 4 way 3 position motor center spool valve.

OPERATION

When de-energized the HDG-S4M block the flow at (2) and allows flow between (1), (3) and (4). 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).

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.

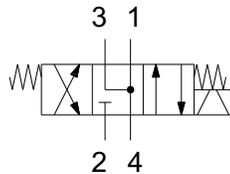


Uses “L” Coil.

VALVE SPECIFICATIONS

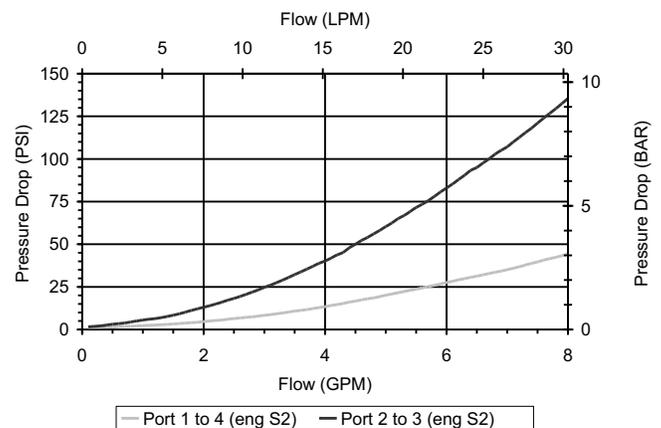
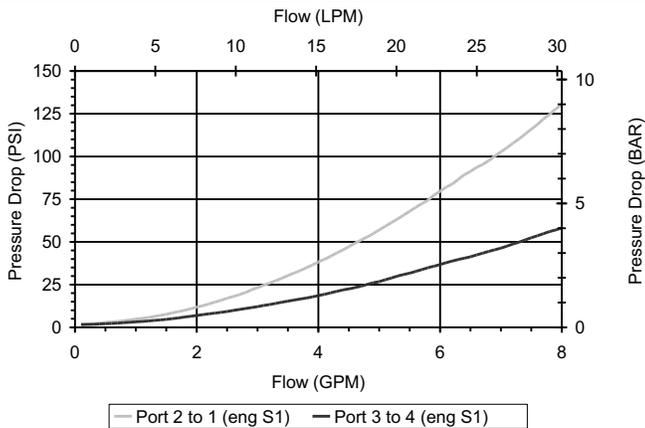
Nominal Flow	4 GPM (16 LPM)
Rated Operating Pressure	4200 PSI (290 bar)
Typical Internal Leakage (150 SSU)	8 cu in/min (131 ml/min) per path
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.51 lbs. (0.23 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (54 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	DELTA 4W
Cavity Form Tool (Finishing)	40500002
Seal Kit	21191214

HYDRAULIC SYMBOL



PERFORMANCE

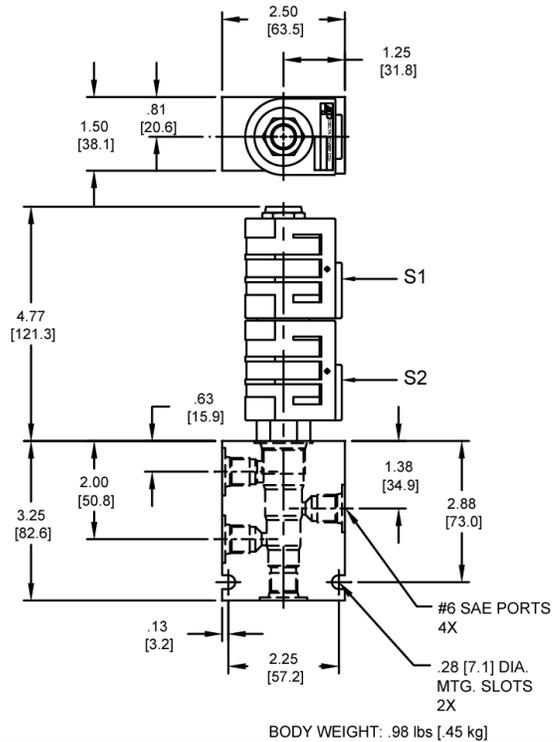
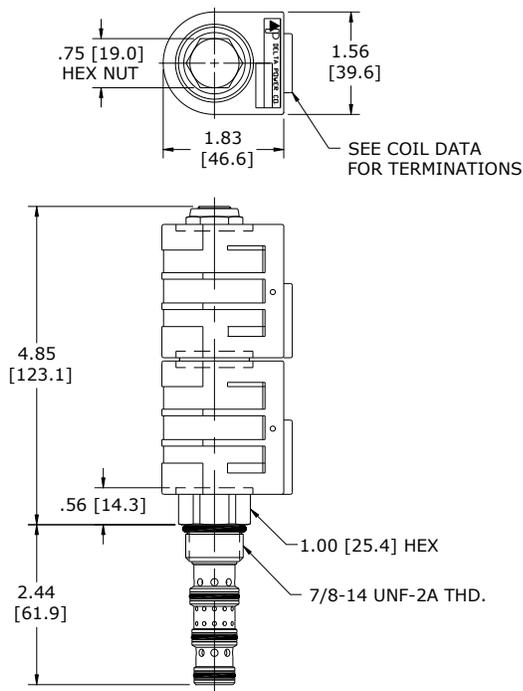
Actual Test Data (Cartridge Only)



W51 / 2-2023

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DIMENSIONS



ORDERING INFORMATION

HDG-S4M

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

BODIES
 Without Body
N 1/4 NPTF Ports
S #6 SAE Ports

Note: Aluminum **NOT** durability rated for 4200 PSI. Consult factory for body options.

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

NO COIL ASSEMBLED ONTO VALVE

If "L" coils will be used – leave blank
 If "I" coils will be used – use "I"

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

DL Double Lead
DT Deutsch on Leads DT04-2P
ML Metri-Pack on Leads
PL Packard on Leads
WL Weatherpack on Leads

SS Single Spade
DS Double Spade
HC DIN 43650 (Hirschman) – (AC & DC)
CL Conduit Lead – (AC Only)
DI Deutsch – Integral DT04-2P

IMMERSION PROOF "L" TYPE
IA "I" Coil AMP Superseal - Integral
ID "I" Coil Deutsch – Integral DT04-2P
IJ "I" Coil AMP Jr. Timer - Integral
IM "I" Coil Metri-Pack – Integral

Approximate Coil Weight: .68 lbs. (.31 kg.)

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