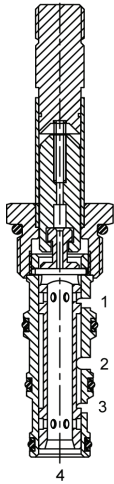


DGS4A00

Solenoid Operated Directional Controls



DG-S4A Direct Acting Spool, 4 Way 2 Position



DESCRIPTION

10 size, 7/8-14 thread, "Delta" series, solenoid operated, 4 way 2 position, side flow spool valve.

OPERATION

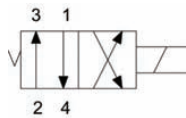
When de-energized the DG-S4A allows flow between (1) to (4) and (2) to (3). When energized the valve allows flow between (2) to (1) and (3) to (4).

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.

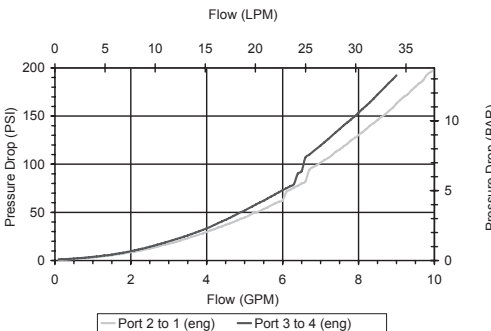
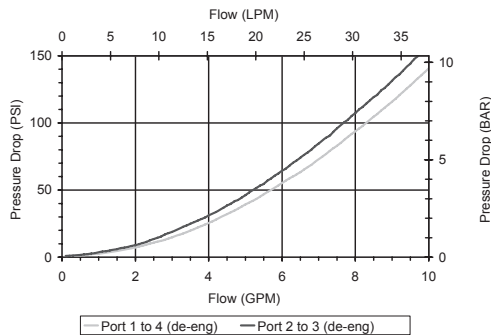
HYDRAULIC SYMBOL



For higher pressures see HG-S4A.

PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

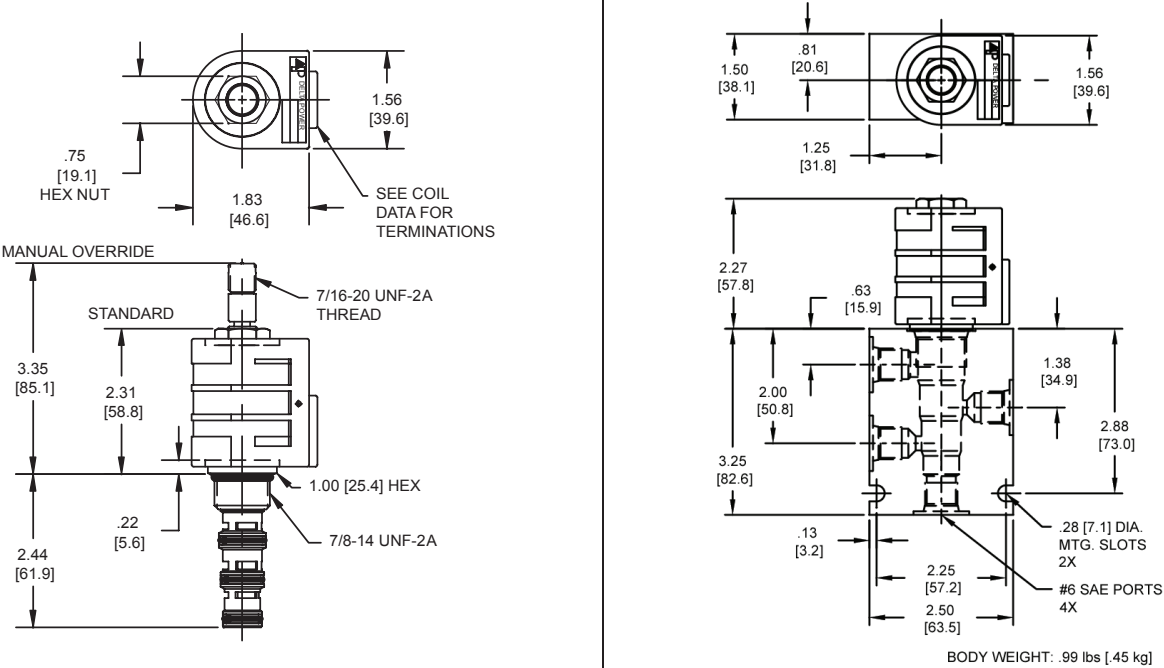
Nominal Flow	10 GPM (38 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min) per path
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.32 lbs. (.15 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm) Maximum
Cavity	DELTA 4W
Cavity Form Tool (Finishing)	40500002
Seal Kit	21191214

DGS4A00

Solenoid Operated Directional Controls



DIMENSIONS



ORDERING INFORMATION

DG-S4A - - - -			
OPTIONS		BODIES	
Buna Standard	00	Blank	Without Body
Viton Standard	V0	N	1/4 NPTF Ports
Buna, Override	0M	S	#6 SAE Ports
Viton, Override	VM		
Buna, Override, Non-detent	B1		
Viton, Override, Non-detent	V1		
"D" COIL TERMINATION		VOLTAGE	
(All DC Except as Noted)		06	6 VDC
		12	12 VDC
		24	24 VDC
		36	36 VDC
		48	48 VDC
		25	24 VAC
		11	120 VAC
		22	220 VAC
		44	440 VAC
"D" COIL TERMINATION		IMMERSION PROOF "D" TYPE	
(All DC Except as Noted)			
DL	Double Lead	SS	Single Spade
DT	Deutsch on Leads DT04-2P	DS	Double Spade
ML	Metri-Pack on Leads	HC	DIN 43650 (Hirschman) – (AC & DC)
PL	Packard on Leads	CL	Conduit Lead – (AC Only)
WL	Weatherpack on Leads	DI	Deutsch – Integral DT04-2P
		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: .74 lbs (.33 kg.)