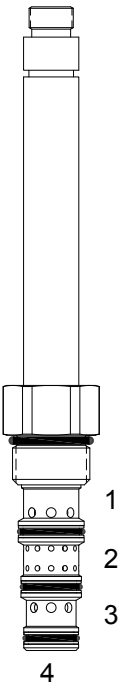


DG-S4N DIRECT ACTING SPOOL, 4 WAY 3 POSITION, TANDEM CENTER



DESCRIPTION

10 size, 7/8-14 thread, "Delta" series, solenoid operated, 4 way 3 position, tandem center spool valve.

OPERATION

When de-energized the DG-S4N allows flow between (2) and (4), and blocks flow at (1) and (3). When outer coil (S1) is energized the valve allows flow from (2) to (3) and from (1) to (4). When inner coil (S2) is energized the valve allows flow from (2) to (1) and from (3) to (4).

**OPERATION OF MANUAL OVERRIDE OPTION:** Bidirectional Override - Spring biased in neutral center position, when pushed the valve shifts in the (S2) direction, when pulled the valve shifts in the S1 direction.

Push Only Override - Spring biased in neutral center position, when pushed the valve shifts in the (S2) direction.

FEATURES

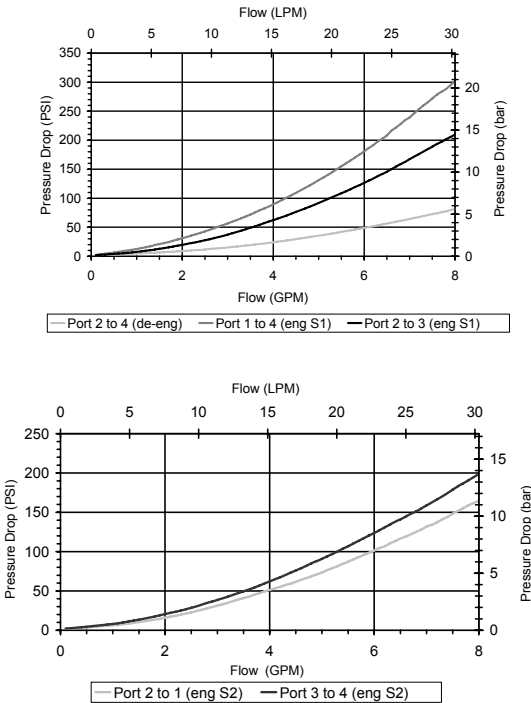
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Manual override option.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof,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



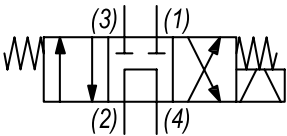
Uses "L" Coils.

PERFORMANCE

Actual Test Data (Cartridge Only)



HYDRAULIC SYMBOL



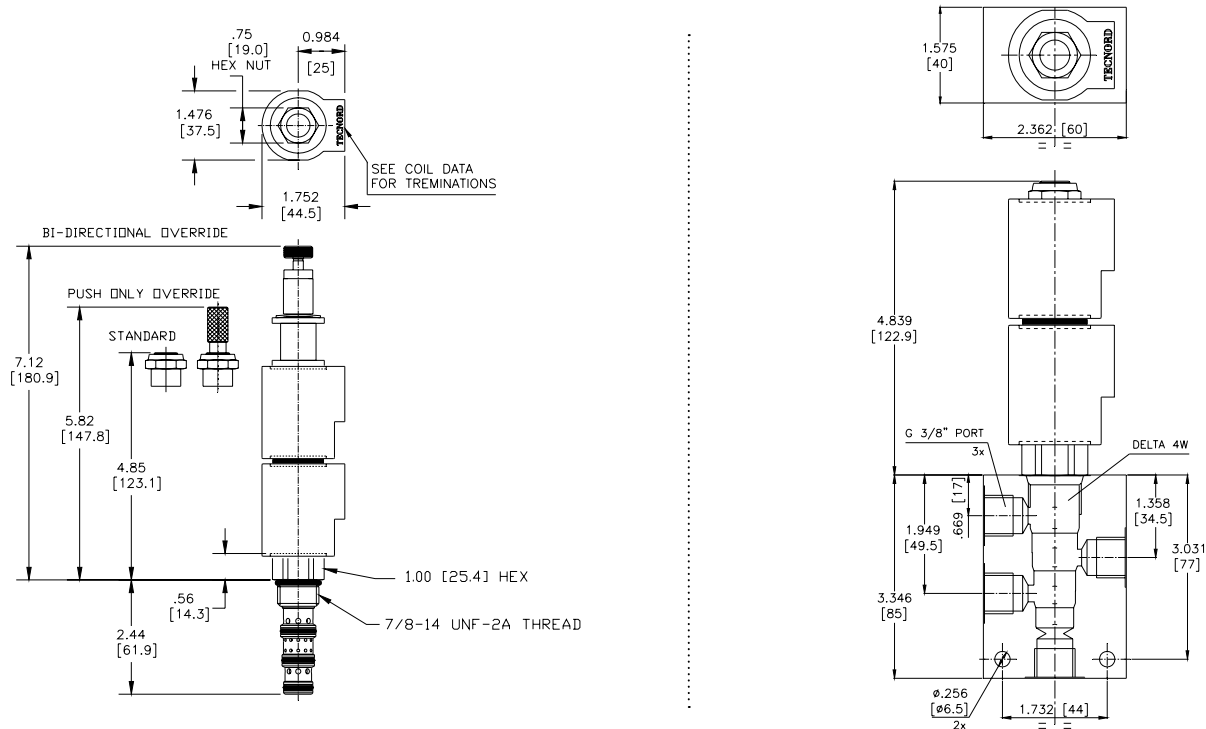
VALVE SPECIFICATIONS

Nominal Flow	6 GPM (23 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	.52 lbs (.23 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)
Cavity	DELTA 4W
Cavity Tools Kit	
(form tool, reamer, tap)	40500002
Seal Kit	21191214

**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.

1/13/2023

DIMENSIONS



ORDERING INFORMATION

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

<b>DG-S4N</b>					
<b>OPTIONS</b>				<b>BODIES</b>	
Buna Standard	00			Blank	Without Body
Viton Standard	V0			N	3/8" BSP Ports
Buna, Override, Detent	0M			S	#6 SAE Ports
Viton, Override, Detent	VM				
Buna, Push Only Override	0P				
Viton, Push Only Override	VP				
				<b>VOLTAGE</b> (other voltages available on request)	
				12	12 VDC
				24	24 VDC
				22	220 VAC without internal rectifier
<b>"L" COIL TERMINATION</b> (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)		LIA	"I" Coil AMP Superseal - Integral
		DI Deutsch - Integral DT04-2P		LID	"I" Coil Deutsch - Integral DT04-2P
				LIJ	"I" Coil AMP Jr. Timer - Integral
				LIM	"I" Coil Metri-Pack - Integral