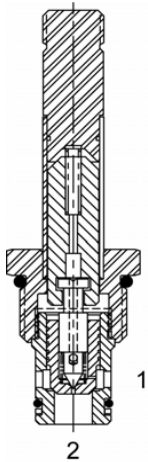


DES2A00

Solenoid Operated Directional Controls



DE-S2A Pilot Operated Poppet, 2 Way Normally Closed



DESCRIPTION

10 size, 7/8-14 thread, "Delta" series, solenoid operated, 2 way normally closed, pilot operated poppet valve with reverse flow de-energized.

OPERATION

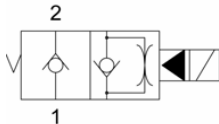
When de-energized the DE-S2A blocks flow from (1) to (2) and allows reverse flow from (2) to (1). When energized the valve allows flow from (1) to (2) and restricts flow from (2) to (1).

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

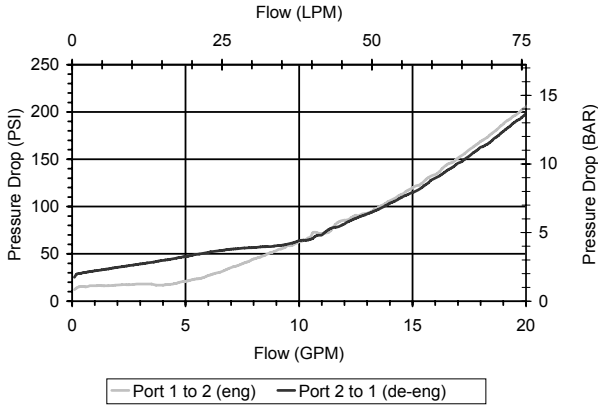
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Manual override option.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof,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

HYDRAULIC SYMBOL



PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

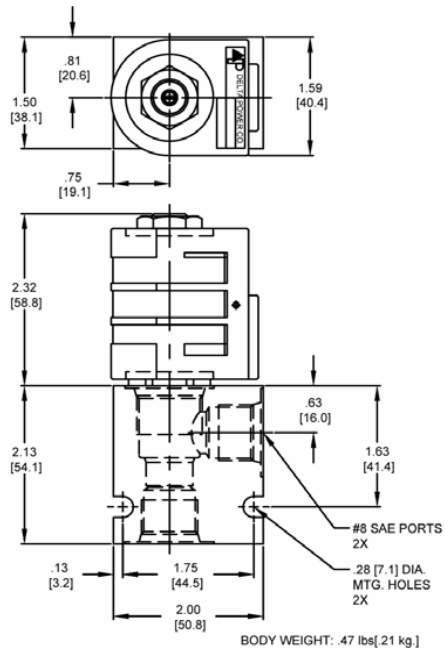
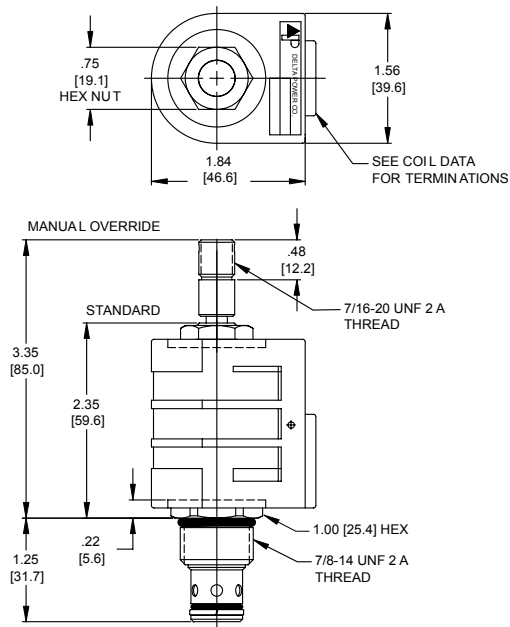
Nominal Flow	15 GPM (57 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.27 lbs. (.12 kg)
Operating Fluid Media	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 2W
Cavity Form Tool (Finishing)	40500000
Seal Kit	21191200

DES2A00

Solenoid Operated Directional Controls



DIMENSIONS



ORDERING INFORMATION

DE-S2A -

OPTIONS

Buna Standard	00
Viton Standard	V0
Buna, Override	0M
Viton, Override	VM
Buna & Screen	A0
Viton & Screen	W0
Buna, Override, Non-detent	B1
Viton, Override, Non-detent	V1
Buna, Screen, Override, Non-detent	B3
Buna, Screen, Override, Detent	B4
Viton, Screen, Override, Non-detent	V3
Viton, Screen, Override, Detent	V4

Note: Use screen only if flow direction is from (1) to (2).

"D" 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

Blank
N
S

BODIES

Without Body
3/8 NPTF Ports
#8 SAE Ports

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
44	440 VAC

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

IMMERSION PROOF "D" TYPE

"I" Coil AMP Superseal - Integral
"I" Coil Deutsch – Integral DT04-2P
"I" Coil AMP Jr. Timer - Integral
"I" Coil Metri-Pack – Integral

Approximate Coil Weight: .74 lbs (.33 kg.)