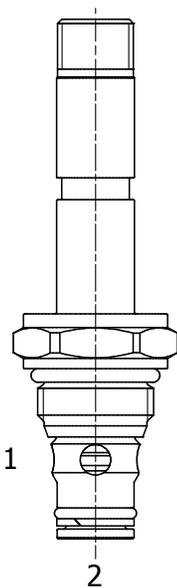


HB-S2D PILOT OPERATED POPPET, 2 WAY NORMALLY OPEN



DESCRIPTION

8 size, 3/4-16 thread, "Power" series, solenoid operated, 2 way normally open, pilot operated poppet valve with reverse flow energized and de-energized.

OPERATION

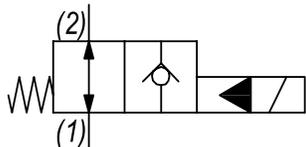
When de-energized the HB-S2D allows flow from (1) to (2) or from (2) to (1). When energized the valve blocks flow from (1) to (2) and allows flow from (2) to (1).

MANUAL OVERRIDE OPTION: to override, turn the manual override screw clockwise. To release, turn the manual override screw counter-clockwise.

FEATURES

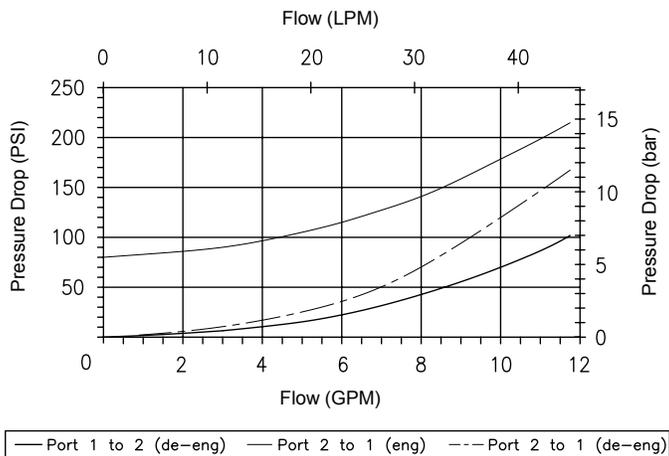
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Manual override option.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof,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

HYDRAULIC SYMBOL



PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

Nominal Flow	12 GPM (45 LPM)
Rated Operating Pressure	5000 PSI (345 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min at 5000 PSI (345 bar)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 210°F (-40° to 100°C) BUNA seals -4° to 250°F (-20° to 120°C) VITON seals
Weight	.29 lbs (.13 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	35 ft-lbs (47 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	POWER 2W
Cavity Tools Kit	40500005
Seal Kit	21191100

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.



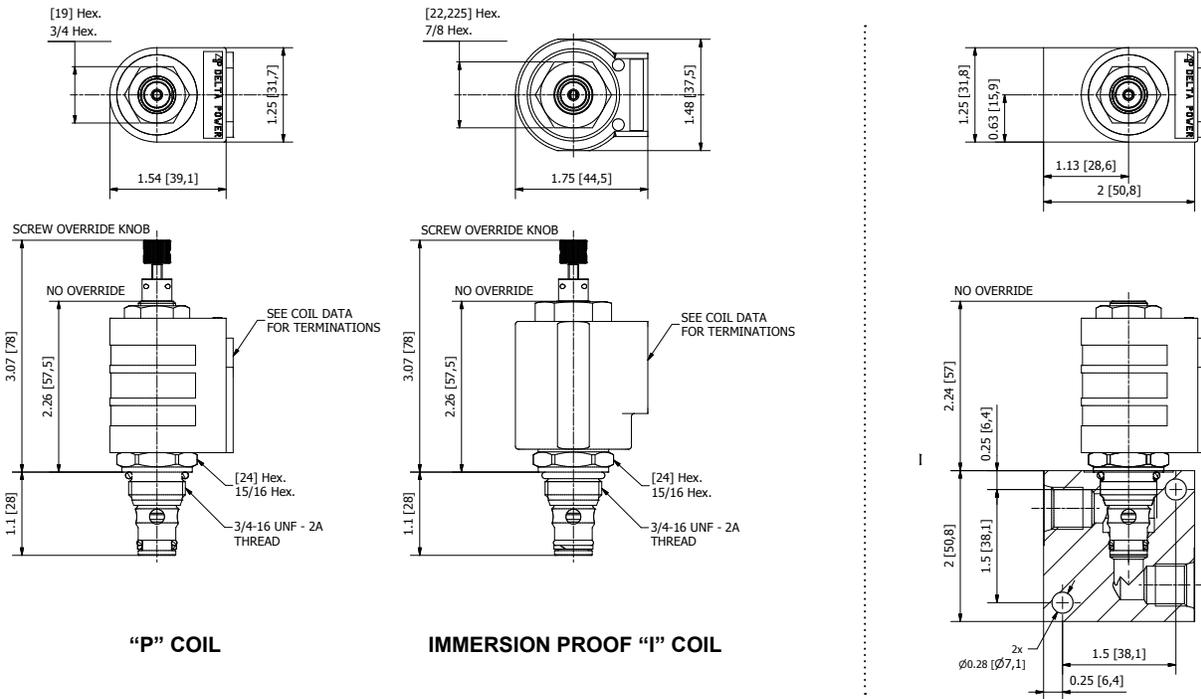
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SOLENOID OPERATED DIRECTIONAL CONTROLS

DIMENSIONS



"P" COIL

IMMERSSION PROOF "I" COIL

ORDERING INFORMATION

HB-S2D - - - -

Approximate Coil Weight: .42 lbs (.19 kg)

OPTIONS

Buna Standard	00
Viton Standard	V0
Buna, Override, Knob	0K
Viton, Override, Knob	VK
Buna, Screen	A0
Viton, Screen	W0
Buna, Screen, Override, Knob	B5
Viton, Screen, Override, Knob	V5

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

BODIES

Blank	Without Body
N	1/4 NPTF Ports
S	#6 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

Note: Aluminum Body Not durability rated for 5000 PSI (345 bar), consult factory for high pressure body options.

"P" COIL TERMINATION

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 (Hirschmann) - (AC&DC)
CL	Conduit Lead - (AC Only)
DI	Deutsch - Integral DT04-2P

IMMERSSION PROOF "I" COIL TERMINATION

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

For Optional Coil Terminations See Coil Section

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