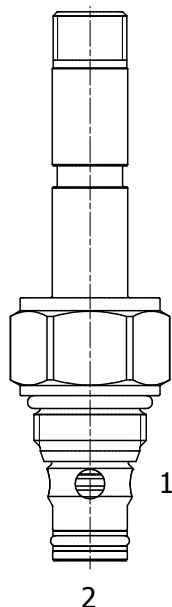


HPB-S2K PILOTED OPERATED POPPET, 2 WAY DOUBLE LOCK NORMALLY OPEN

DESCRIPTION

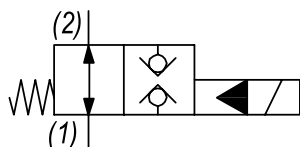
8 size, 3/4-16 thread, "Power" series, solenoid operated, 2 way double lock normally open, pilot operated bidirectional poppet valve.

OPERATION

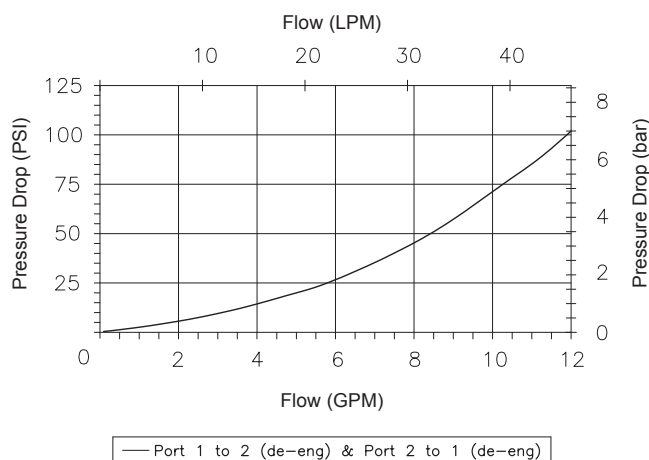
When de-energized the HPB-S2K allows flow from (1) to (2) or from (2) to (1). When energized the valve blocks flow from (1) to (2) and block flow from (2) to (1).

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.
- 720 hour salt spray protection.

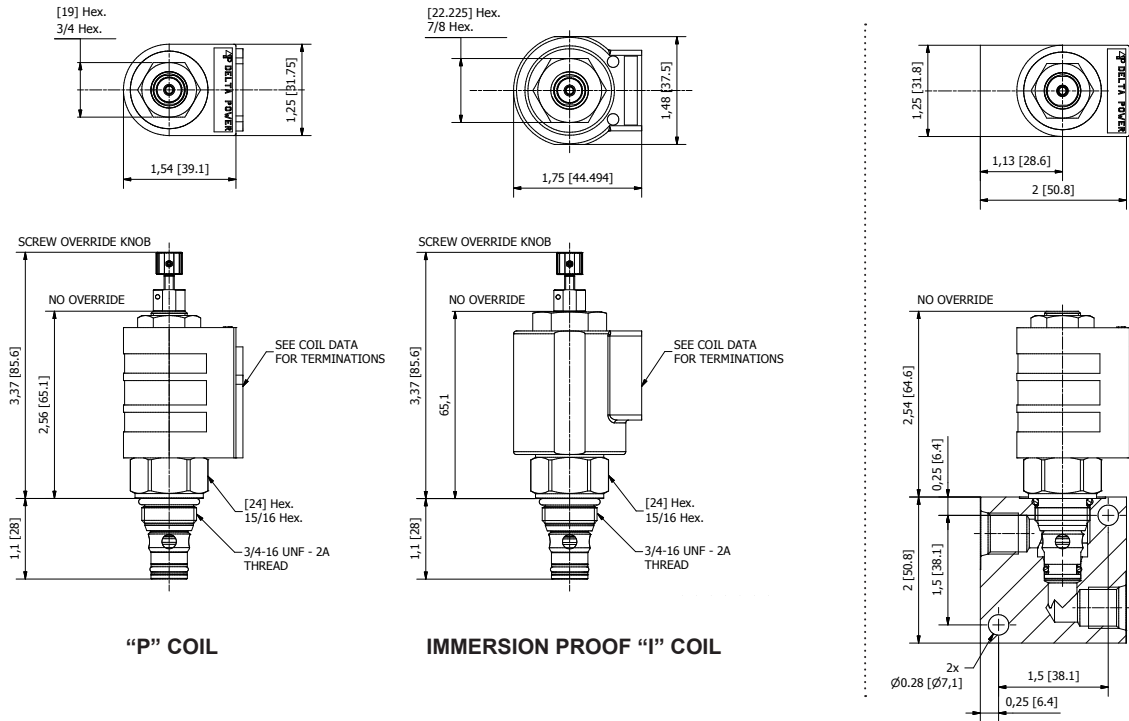
HYDRAULIC SYMBOL

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	30-35 ft-lbs (41-47 Nm)
Coil Nut Torque Requirements	3-4.5 ft-lbs (4-6 Nm)
Cavity	POWER 2W
Cavity Tools Kit	40500005
Seal Kit	21191102

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DIMENSIONS

ORDERING INFORMATION
HB - S2K
Approximate Coil Weight: .42 lbs (.19 kg)
OPTIONS

Buna Standard	00
Viton Standard	V0
Buna, Override, Knob	OK
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	115 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

IMMERSION 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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