

Technical Information

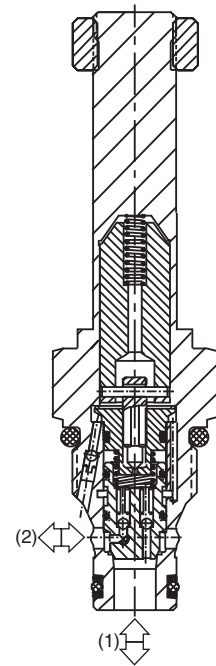
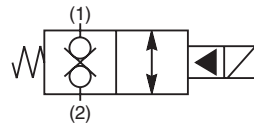
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

General Description

2-Way, 2 Position, Normally Closed, Bi-Directional Poppet Valve. For additional information see Technical Tips on pages SV1-SV6.

Features

- Built-in thermal relief set at 36 Bar (500 PSI) above rated pressure
- One piece cartridge housing ensures internal concentricity
- Coil: Waterproof, hermetically sealed, requires no O’Rings; Coil is interchangeable with 04 and 06 series poppet valves; Symmetrical coil can be reversed without affecting performance.

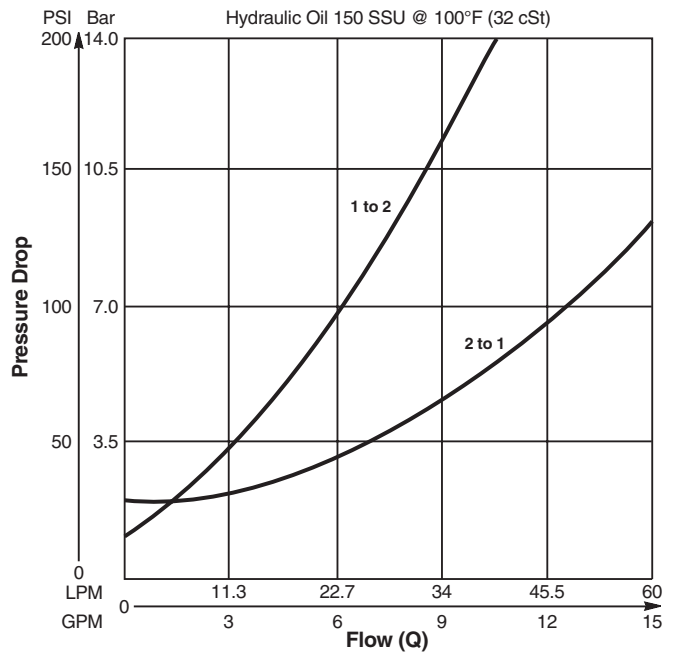


Specifications

Rated Flow (At 70 PSI ΔP)	2 to 1 34 LPM (9 GPM) 1 to 2 19 LPM (5 GPM)
Maximum Inlet Pressure	80 210 Bar (3000 PSI) 81 350 Bar (5000 PSI)
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.)
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).
Response Time	Open 40 ms Close 40 ms
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO Code 16/13, SAE Class 4 or better
Approx. Weight	.14 kg (.31 lbs.)
Cavity	C08-2 (See BC Section for more details)

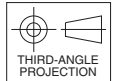
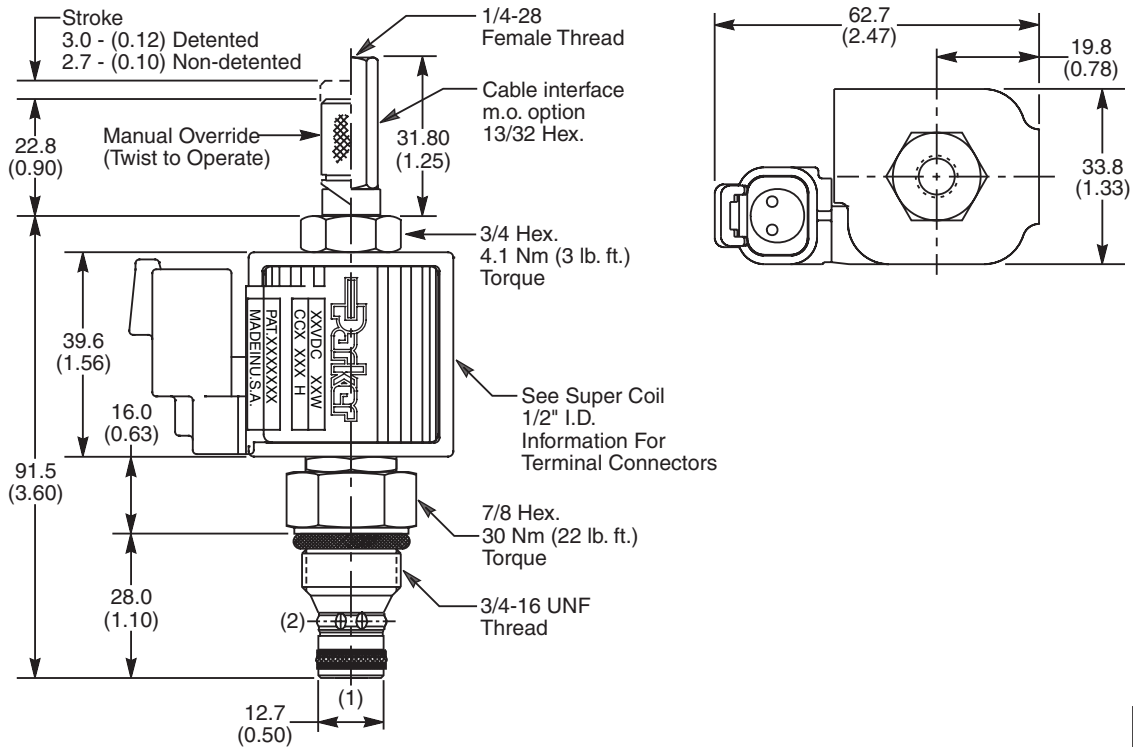
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

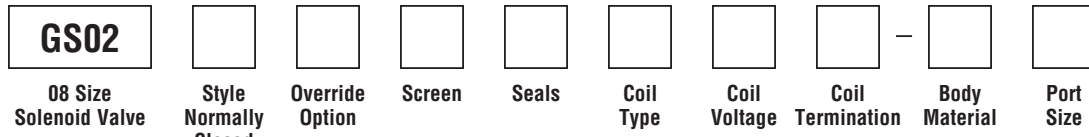


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Dimensions Millimeters (Inches)



Ordering Information



Code	Style
80	Standard ('SS' Coil)
81	High Pressure ('SP' Coil)

Code	Seals / Kit No.
N	Nitrile / Buna-N (Std.) (SK30088N-1)

Code	Coil Termination
Omit	Without Coil
C	Conduit With Leads
D	DIN Plug Face
A	Amp Jr. Timer*
S	Dual Spade*
L	Dual Lead Wire*
LS	Sealed Lead Wire*
H	Molded Deutsch*

Code	Body Material
Omit	Steel
A	Aluminum

Code	Override Options
0	None
1	Detented
2	Non-Detented
3	Cable Interface 210 Bar (3000 PSI)

Code	Coil Type
Omit	Without Coil
SS	Super Coil - 14 Watts
SP	Super Coil - 19 Watts

Code	Port Size	Body Part No.
Omit	Cartridge Only	
6T	SAE-6	(B08-2-*6T)
6B	3/8" BSPG	(B08-2-*6B)

Code	Coil Voltage
Omit	Without Coil
D012	12 VDC
D024	24 VDC
A120	120 VAC, 60/50 Hz
A240	240 VAC, 60/50 Hz*

*22 Watts

See Super Coil 1/2" I.D.
*DC Only

* Add "A" for aluminum, omit for steel.



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