

**Technical Information**

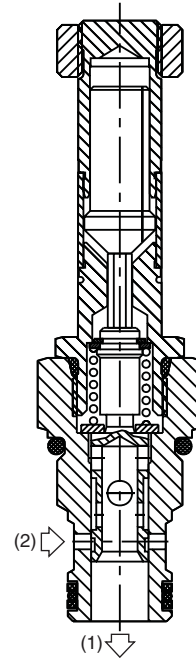
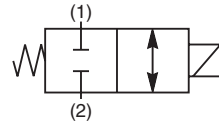
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical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

**General Description**

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

**Features**

- High flow capacity
- One piece cartridge housing ensures internal concentricity
- Coil: Waterproof, hermetically sealed, requires no O’Rings; Symmetrical coil can be reversed without affecting performance.

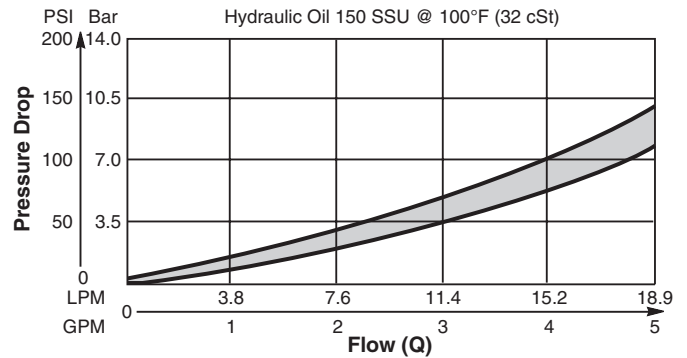


**Specifications**

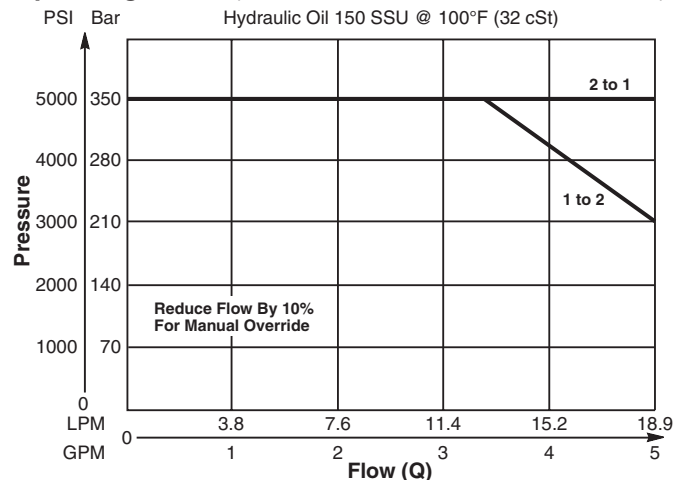
<b>Rated Flow (At 70 PSI ΔP)</b>	13 LPM (3.5 GPM)
<b>Maximum Inlet Pressure</b>	350 Bar (5000 PSI)
<b>Leakage at 150 SSU (32 cSt)</b>	82 cc/min @ 210 Bar (3000 PSI)
<b>Minimum Operating Voltage</b>	85% of rated voltage at 20°C (72°F).
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-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)
<b>Fluid Compatibility/ Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	.14 kg (.31 lbs.)
<b>Cavity</b>	C09-2 (See BC Section for more details)

**Performance Curves**

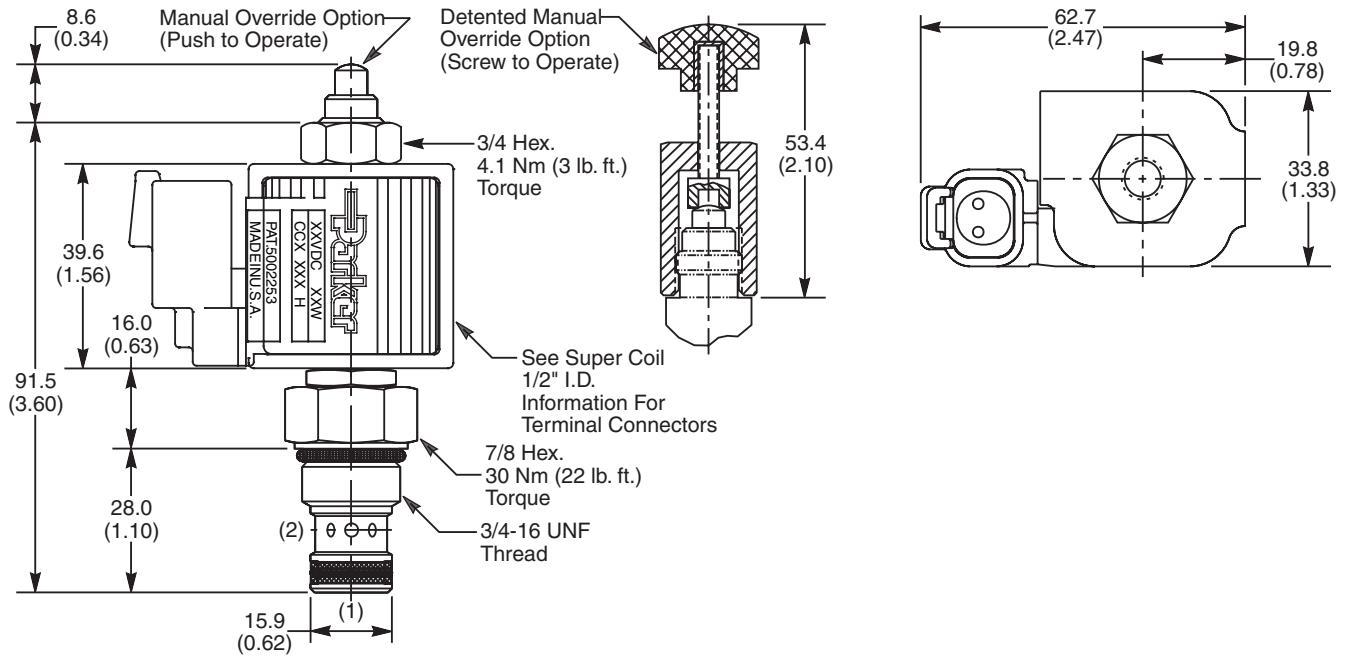
**Pressure Drop vs. Flow (Through cartridge only)**



**Operating Limits (Measured at 75% of Nominal Current)**



**Dimensions** Millimeters (Inches)



**Ordering Information**

<b>GS02</b>	<b>22</b>								
09 Size Solenoid Valve	Style Normally Closed	Override Option	Screen	Seals	Coil Type	Coil Voltage	Coil Termination	Body Material	Port Size

Code	Style
22	High Pressure ('SP' Coil)

Code	Seals / Kit No.
N	Nitrile / Buna-N (Std.) (SK30076N-1)
V	Fluorocarbon / (SK30076V-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	Manual Override
2	Detented Part No. 900690

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

Code	Port Size	Body Part No.
Omit	Cartridge Only	
6T	SAE-6	(B09-2-*6T)
6B	3/8" BSPG	(B09-2-6B)†

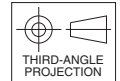
Code	Screen
0	None

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.  
† Steel body only.



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