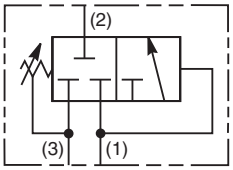
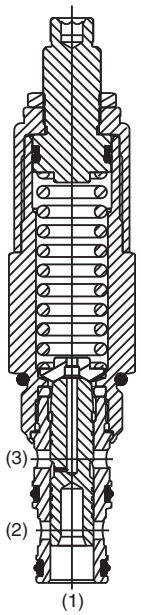
General Description

Direct Acting Sequence Valve (Internally Piloted, Externally Drained). In the steady state condition, all three ports are blocked with the spring chamber drained to port 3. When the pressure at port 1 exceeds the valve setting, the spool moves allowing flow from the nose of the cartridge (port 1) to the actuator port (port 2). By externally draining the spring chamber directly to tank (port 3), the valve is insensitive to back pressure at the sequence port.





Features

- Hardened, precision ground parts for durability
- Internal mechanical stop limits spool travel eliminating spring solidification
- "D"-Ring eliminates backup rings
- All external parts zinc plated
- Fast response

Specifications

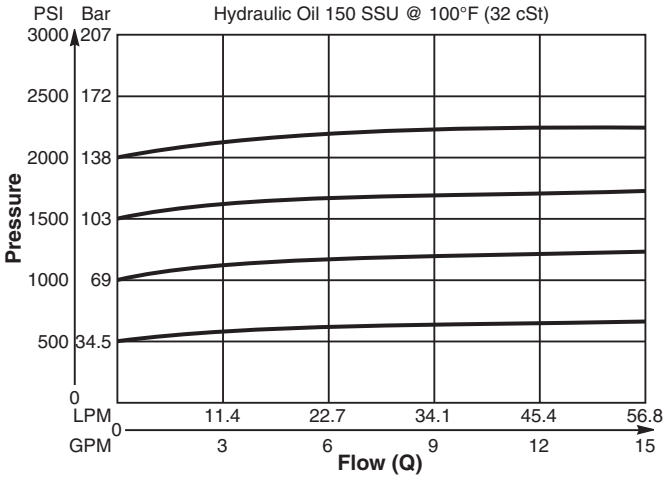
1.8 BAR (27 PSI)

Flow Rate	56 LPM (15 GPM)
Maximum Inlet Pressure	250 Bar (3600 PSI)
Maximum Pressure Setting	138 Bar (2000 PSI)
Sensitivity: Pressure/Turn	**02** ~~3.5 Bar (50 PSI)~~ **06** 6.6 Bar (95 PSI) **12** 11.4 Bar (165 PSI) **20** 17.2 Bar (250 PSI)
Leakage at 150 SSU (32 cST)	82 cc/min. (5 cu. in./min.) at 210 Bar (3000 PSI)
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-45°C to +132°C ("D"-Ring) (-50°F to +270°F) -34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	.45 kg (1.0 lbs.)
Cavity	C10-3
Form Tool	Rougher NFT10-3R Finisher NFT10-3F

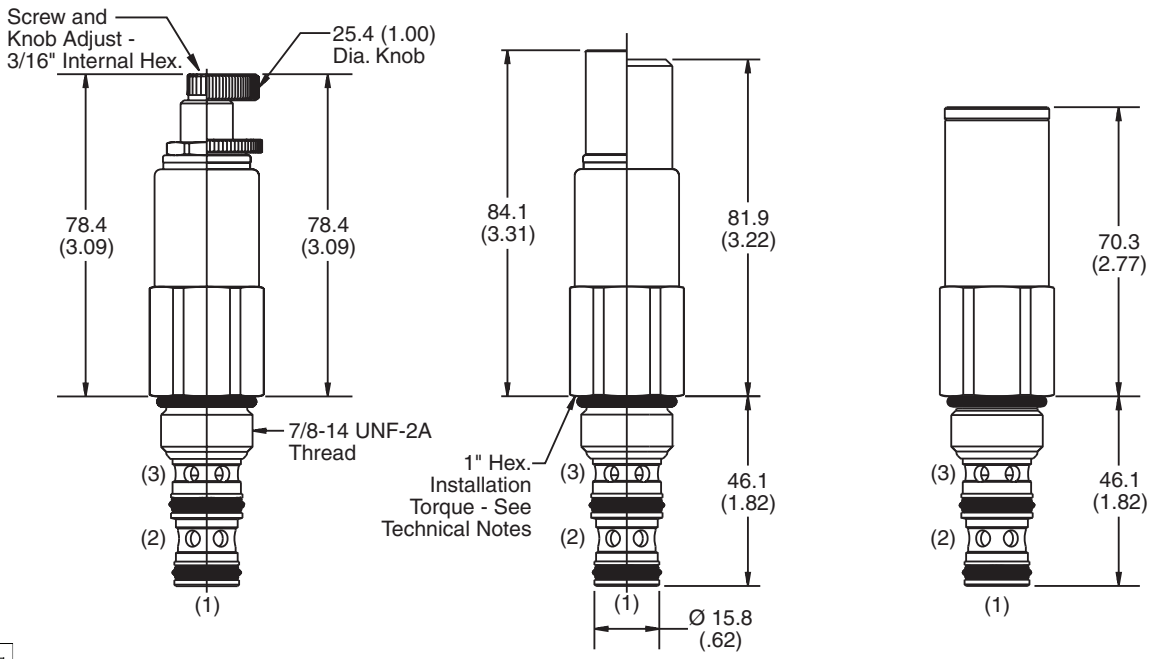
Performance Curve

Flow vs. Inlet Pressure

(Pressure rise through cartridge only)



Dimensions Millimeters (Inches)



THIRD-ANGLE PROJECTION

Screw/Knob Version | **Fixed Cap/Tamper Resistant Version** | **Non-Adjustable Version**

Ordering Information

SV103				—		—		
10 Size D.A. Sequence Valve (Internal Pilot)	Adjustment Style	Pressure Range	Seals		Optional Pressure Setting		Body Material	Port Size

Code	Adjustment Style / Kit No.
F	Fixed style, covered adjustment
K	Knob Adjust (717784-10)
N	Non-Adjustable
S	Screw Adjust
T	Tamper Resistant Cap (717943)

Code	Pressure Range
02	5.1 - 14 Bar (75 - 200 PSI) Standard Setting: 6.9 Bar (100 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
06	6.9 - 42 Bar (100 - 600 PSI) Standard Setting: 21 Bar (300 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
12	14 - 83 Bar (200 - 1200 PSI) Standard Setting: 42 Bar (600 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
20	28 - 138 Bar (400 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)

Code	Seals / Kit No.
Omit	"D"-Ring / (SK10-3)
N	Nitrile / (SK10-3N)
V	Fluorocarbon / (SK10-3V)

Optional Pressure Setting
Pressure ÷ 10 i.e. 150 = 1500 PSI (Omit if standard setting is used) Setting Range: 100 to 2000 PSI All settings at crack pressure, approximately .95 LPM (.25 GPM)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Port Size	Body Part No.
Omit	Cartridge Only	
6T	SAE-6	(B10-3-*6T)
8T	SAE-8	(B10-3-*8T)

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