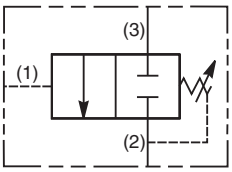
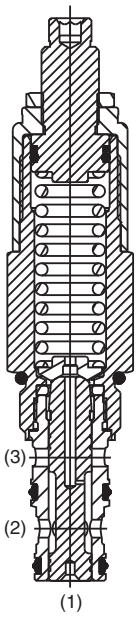
General Description

Direct Acting, Normally Closed Sequence Valve (Externally Piloted). With no pressure at the pilot port (port 1), both port 3 and port 2 are blocked. When the pilot pressure at port 1 exceeds the valve setting, the spool moves opening a path and allowing flow from port 3 to port 2. This valve internally drains the spring chamber to tank via the sequencing port, thus any backpressure on port 2 would be additive to the spring setting.





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

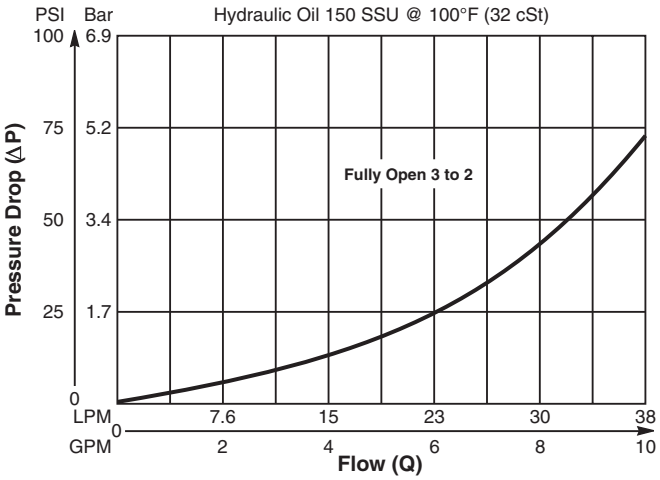
Should be 1.8 BAR (27 PSI)

Rated Flow	38 LPM (10 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

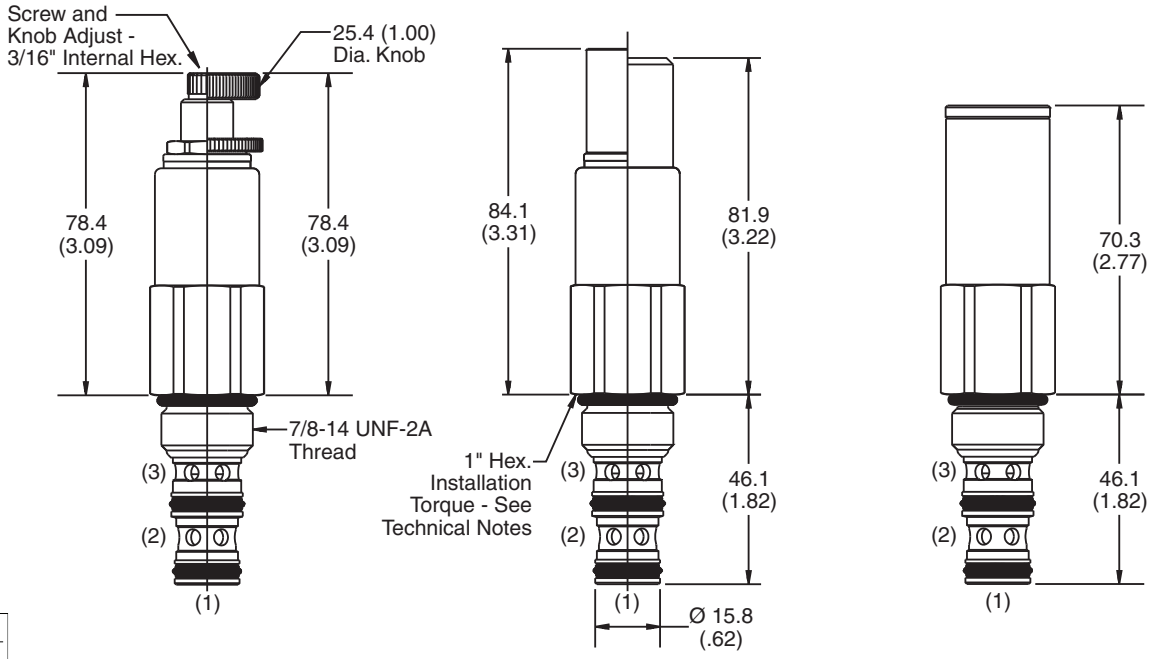
erformance Curve

ow 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

SV105				—		—		
10 Size, D.A., N.C. Sequence Valve (External 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.***