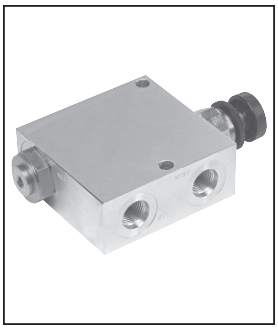
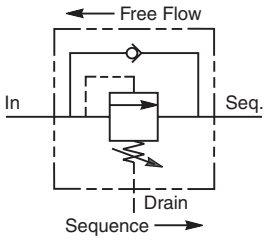
General Description

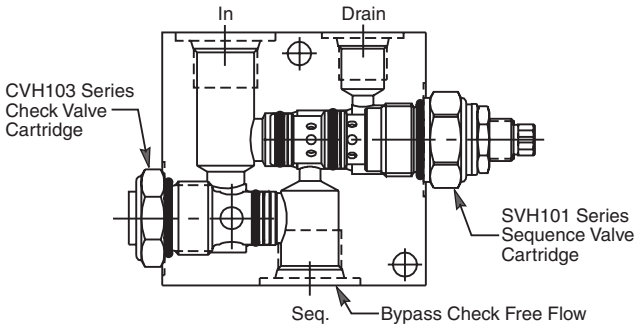
Pilot Operated Sequence Valve with Reverse Flow Check. For additional information see Technical Tips on pages PC1-PC6.





Features

- Hardened, precision ground parts for durability
- Built-in reverse flow check reduces plumbing
- Cartridge design
- All external parts have yellow zinc dichromate. This coating is ideal for salt spray applications.



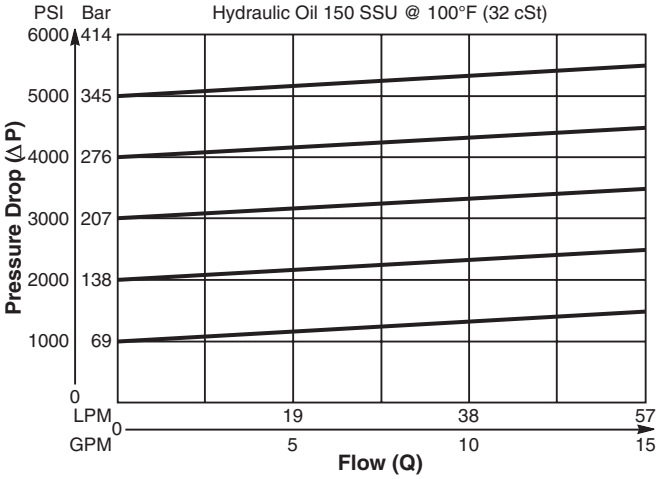
Specifications

Rated Flow	56.3 LPM (15 GPM)
Maximum Inlet Pressure	380 Bar (5500 PSI)
Maximum Pressure Setting	350 Bar (5000 PSI)
Maximum Drain Flow	.94 LPM (0.25 GPM)
Reseat Pressure	90% of Crack Pressure
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.
Body Material	Steel
Operating Temp. Range/Seals	-45°C to +93.3°C (“D”-Ring) (-50°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	1.6 kg (3.5 lbs.)

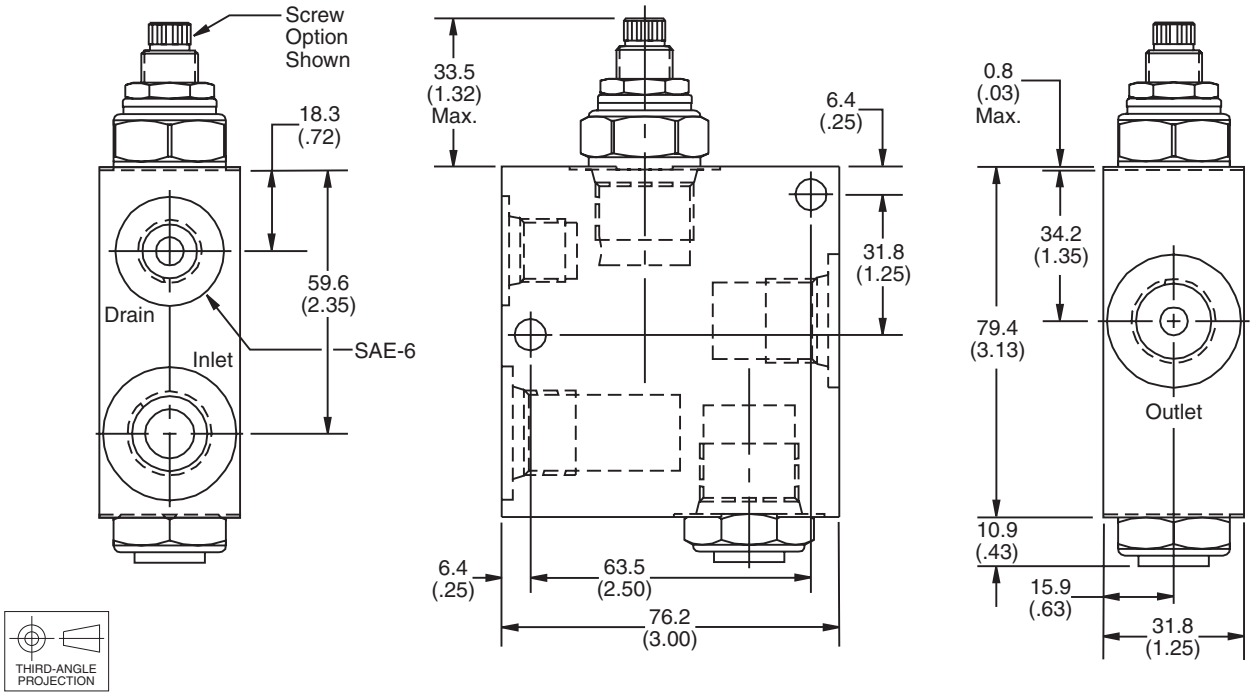
Performance Curve

Flow vs. Inlet Pressure

(Pressure rise through cartridge only)



Dimensions Millimeters (Inches)



Ordering Information

SVCH101 [ ] [ ] [ ] [ ] [ ] — [ ]

10 Size P.O. Sequence Valve w/Free Reverse Check	Adjustment Style	Pressure Range	Optional Pressure Setting	Check Valve Cracking Pressure	Seals	Port Size

Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-10)
S	Screw Adjust
T	Tamper Resistant Cap (718083)

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
20	6.9 - 138 Bar (100 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
30	13.8 - 207 Bar (200 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
50	13.8 - 345 Bar (200 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)

Optional Pressure Setting
Pressure ÷ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at crack pressure, approximately .95 LPM (.25 GPM)

Code	Cracking Pressure
Omit	0.3 Bar (5 PSI)
P20	1.4 Bar (20 PSI)
P50	3.5 Bar (50 PSI)
P65	4.5 Bar (65 PSI)
P100	6.9 Bar (100 PSI)

Code	Seals
Omit	"D"-Ring
N	Nitrile
V	Fluorocarbon

Code	Port Size	Part No.
8T	SAE-8	830343