

General Description

Cartridge Style Needle Valve.
 For additional information see
 Technical Tips on pages FC1-FC4.

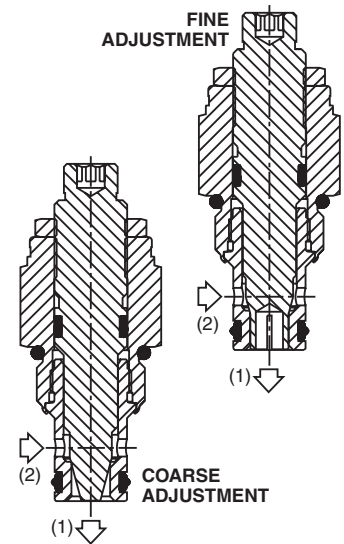
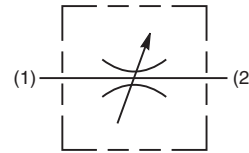


Features

- Hardened, precision ground parts for durability
- Compact size for reduced space requirements
- Fine adjustment needle option available for precise adjustment
- Polyurethane “D”-Ring eliminates backup rings and prevents hydrolysis
- Valve meters flow in either direction, but (2 to 1) is the preferred direction for lowest leakage at shut off
- All external parts zinc plated

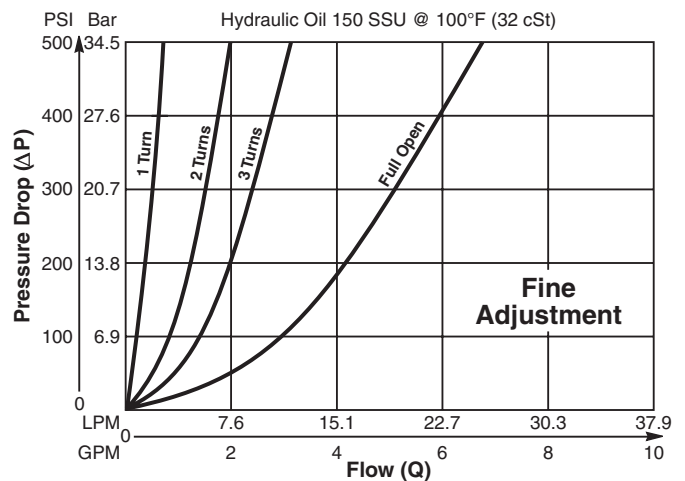
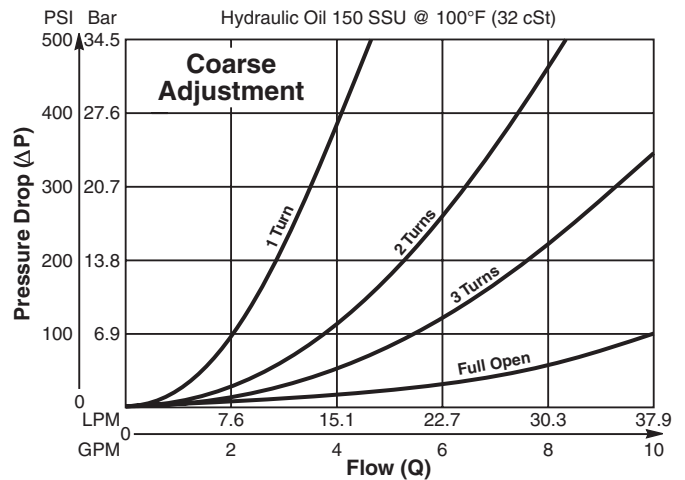
Specifications

Rated Flow	37.9 LPM (10 GPM)
Maximum Inlet Pressure	380 Bar (5500 PSI)
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-37°C to +93°C (“D”-Ring) (-35°F to +200°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	0.10 kg (0.20 lbs.)
Cavity	C08-2 (See BC Section for more details)
Form Tool	Rougher Finisher None NFT08-2F

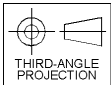
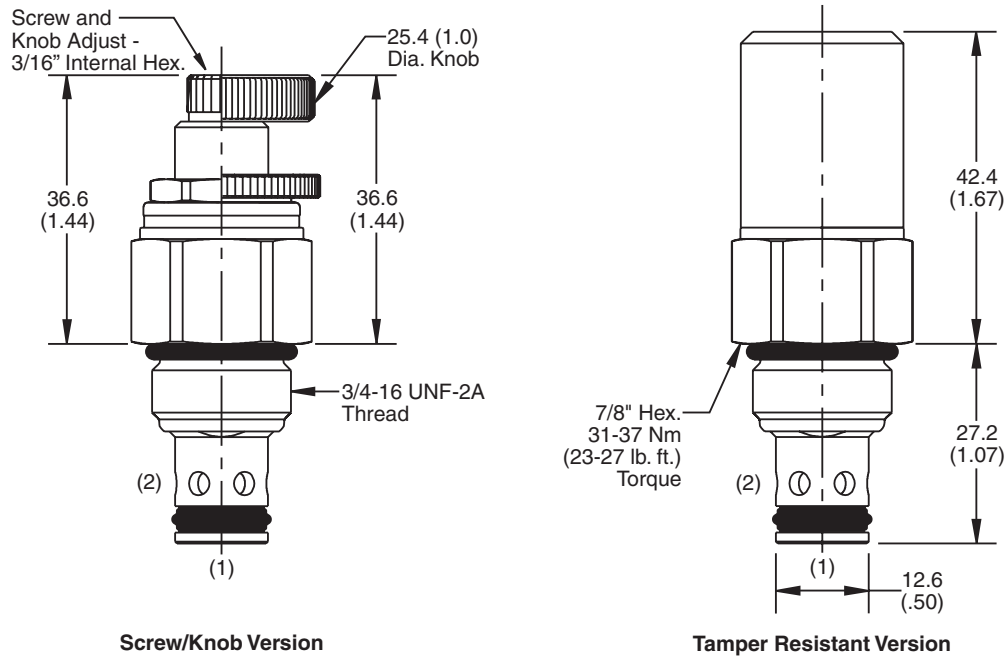


Performance Curves

Flow vs. Inlet Pressure (Through cartridge only)



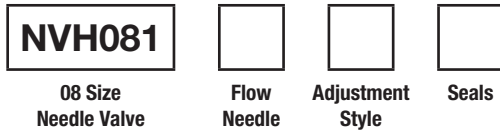
Dimensions Millimeters (Inches)



Screw/Knob Version

Tamper Resistant Version

Ordering Information



**08 Size
 Needle Valve**

**Flow
 Needle**

**Adjustment
 Style**

Seals

Highlighted represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

Code	Flow Needle
Omit	Coarse
F	Fine

Code	Adjustment Style / Kit No.
S	Screw Adjust
K	Knob Adjust (717784-10)
T	Tamper Resistant Cap (717943)

Code	Seals / Kit No.
Omit	"D"-Ring / (SK08-2)
N	Nitrile / (SK08-2)
V	Fluorocarbon / (SK08-2V)

Order Bodies Separately
 See section BC



08 size

2-Way
 Cavity

Port
 Size

Code	Porting / Body Material
6T	SAE-6 / Steel (5000 PSI)
A6T	SAE-6 / Aluminium (3000 PSI)

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
CB
Cartrpak Bodies
BC
Bodies & Cavities
TD
Technical Data