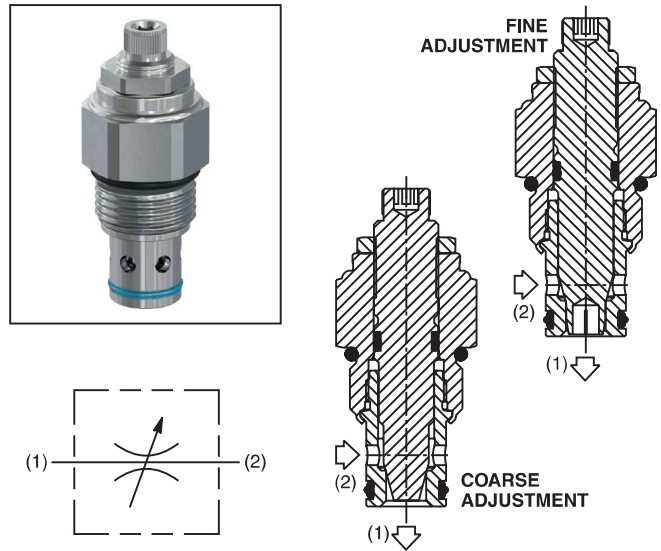


General Description

Cartridge Style Needle Valve.
 For additional information see Technical Tips on pages FC2-FC5.

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

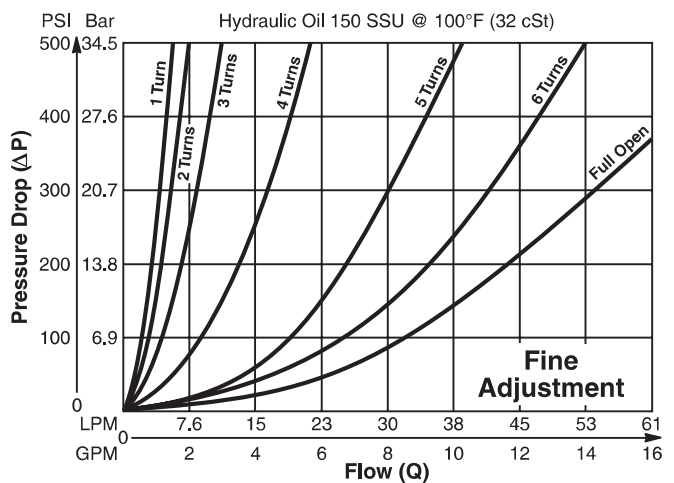
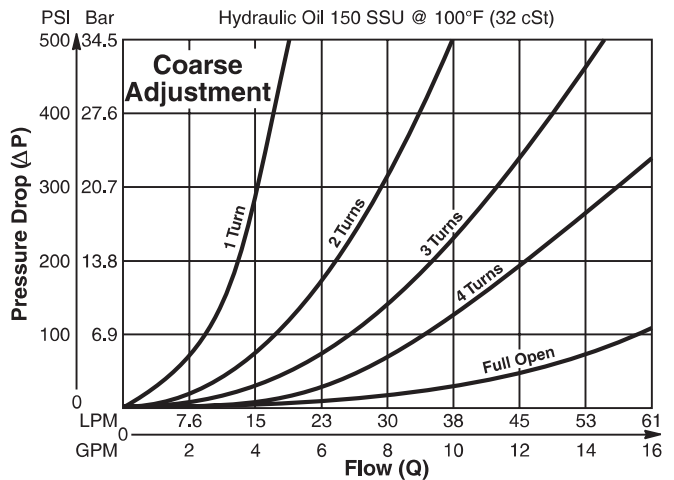


Specifications

Rated Flow	60 LPM (16 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	0.18 kg (0.40 lbs.)
Cavity	C10-2 (See BC Section for more details)

Performance Curves

Flow vs. Inlet Pressure (Through cartridge only)



CV
Check Valves

SH
Shuttle Valves

LM
Load/Motor Controls

FC
Flow Controls

PC
Pressure Controls

LE
Logic Elements

DC
Directional Controls

SV
Solenoid Valves

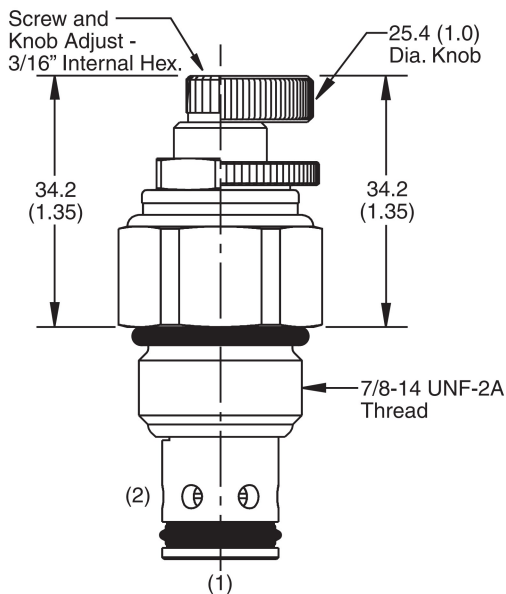
PV
Proportional Valves

CE
Coils & Electronics

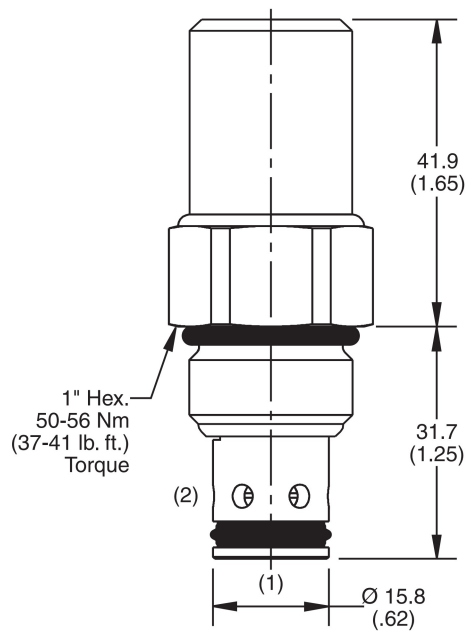
BC
Bodies & Cavities

TD
Technical Data

Dimensions Millimeters (Inches)



Screw/Knob Version



Tamper Resistant Version

Ordering Information

NVH101		S
10 Size Needle Valve	Flow Needle	Adjustment Style

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
S	Screw Adjust

Code	Seals
Omit	"D"-Ring

Kit	Part Number
Knob	717784-10
Tamper Resistant Cap	717943
D-Ring Seal	SK10-2
Nitrile Seal	SK10-2
Fluorocarbon Seal	SK10-2V

*Order Bodies Separately
 See section BC*

B10	-	2	-	8T
10 size		2-Way Cavity		Port Size

Code	Porting / Body Material
8T	SAE-8 / Steel (5000 PSI)

CV

Check
Valves

SH

Shuttle
Valves

LM

Load/Motor
Controls

FC

Flow
Controls

PC

Pressure
Controls

LE

Logic
Elements

DC

Directional
Controls

SV

Solenoid
Valves

PV

Proportional
Valves

CE

Coils &
Electronics

BC

Bodies &
Cavities

TD

Technical
Data