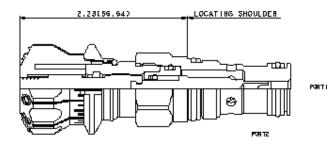
MODEL NFCC



snhv.com/NFC





## CONFIGURATION

		Detent Lock	
С	Maximum Orifice Diameter	.19 in. (4,8 mm)	
Ν	Seal Material	Buna-N	
(none) Material/Coating		Standard Material/Coating	

#### Needle valves are fully adjustable orifices used to regulate flow. They are infinitely adjustable from fully closed up to the maximum orifice diameter. They are not pressure-compensated. They may be used as flow controls or as shutoff valves.

#### **TECHNICAL DATA**

Maximum Operating Pressure	5000 psi
Adjustment - Number of Counterclockwise Turns - Fully Closed to Fully Open	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-010-007
Seal kit - Cartridge	Polyurethane: 990-010-002
Seal kit - Cartridge	Viton: 990-010-006

For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel. NOTES

### **CONFIGURATION OPTIONS**

# Model Code Example: NFCCHCN

CONTROL (H	) MAXIMUM ORIFICE DIAMETER	(C) SEAL MATERIAL	(N) MATERIAL/COATING
H Calibrated Handknob with Detent Lock	<b>C</b> .19 in. (4,8 mm)	N Buna-N	Standard Material/Coating
L Standard Screw Adjustment	<b>D</b> .09 in. (2,3 mm)	E EPDM	<b>IAP</b> Stainless Steel, Passivated
K Handknob		V Viton	<b>/LH</b> Mild Steel, Zinc-Nickel
Y Tri-Grip Handknob, Flow Control			
TECHNICAL FEATURES			

# HNICAL FEATURES

- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- Because needle valves are non-compensating devices, the fixed orifice size will regulate flow through the valve in proportion to the square root of the pressure differential across ports 1 and 2.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures. •
- The sharp-edged orifice design minimizes flow variations due to viscosity changes. •
- The flow path through this valve is bi-directional. The preferred path is port 1 to 2, to allow interchangeability with other flow controls. •
- There is no leakage when the adjustment mechanism is turned to the shut-off position.
- Cartridges with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.

#### PERFORMANCE CURVES

