

# Fully adjustable needle valve with reverse flow check

Capacity: .38 in. (9,7 mm)

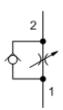
Functional Group:

Products: Cartridges: Flow Control: 2 Port: Fully Adjustable Needle Valve, With Reverse Flow Check

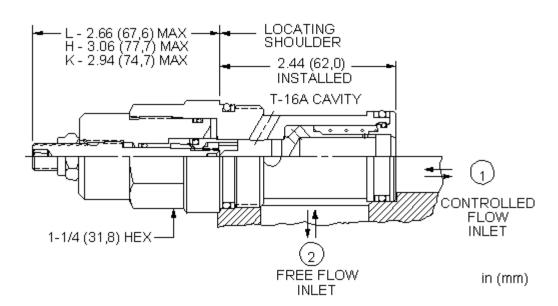
Model: NCFB-LEN

### Product Description

Needle valves with reverse-flow check are fully adjustable orifices used to regulate flow. They are infinitely adjustable from fully closed up to the maximum orifice diameter. An integral high-capacity check valve provides unrestricted flow from port 2 to port 1. They are not pressure-compensated.



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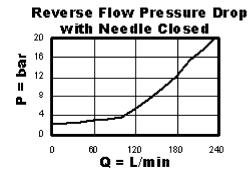
#### Technical Features

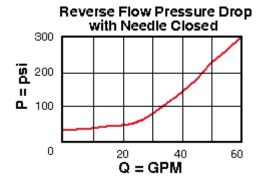
- All 2-port flow control cartridges are physically and
  Because needle valves are non-compensating functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.
- 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.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.

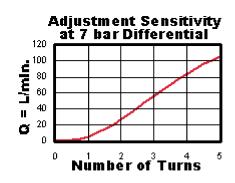
#### Technical Data

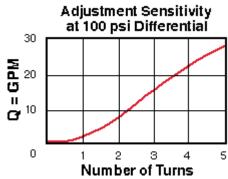
	U.S. Units	Metric Units
Model Weight	1.26 lb.	0.57 kg.

Cavity	T-16A	
Capacity	.38 in.	9,7 mm
Adjustment - Number of Counterclockwise Turns - Fully Closed to Fully Open	5	
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	5 drops/min.	0,4 cc/min.
Series (from Cavity)	Series 3	
Valve Hex Size	1 1/4 in.	31,8 mm
Valve Installation Torque	150 - 160 lbf ft	200 - 215 Nm
Adjustment Screw Hex Socket Size	5/32 in.	4 mm
Adjustment Nut Hex Size	9/16 in.	15 mm
Adjustment Nut Torque	108 lbf in.	12 Nm
Seal Kits	Buna: 990-016-007	
Seal Kits	Viton: 990-016-006	









## NCFB-LEN

Control Reverse Flow Check

External Material/Seal Material

L Standard Screw Adjustment

+0.00 E 75 psi (5 bar) +0.00

N Buna-N +0.00

- Explanation of Sun cartridge control options US units.
- Explanation of Sun cartridge control options metric units.

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