

Fully adjustable needle valve

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

Functional Group:
Products : Cartridges : Flow Control : 2 Port : Fully Adjustable Needle Valve

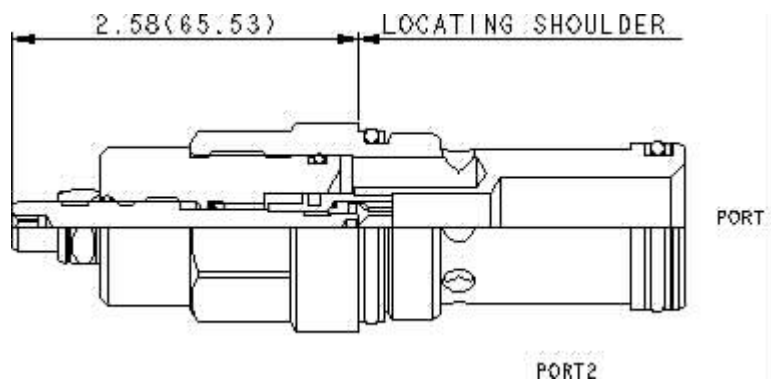
Model:
NFEC-LEN

Product Description

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.



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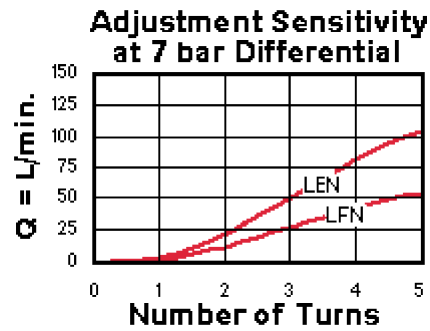
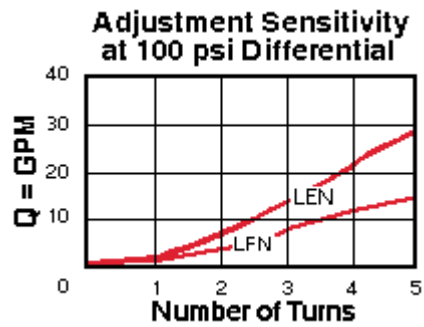


Technical Features

- 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.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- The flow path through this valve is bi-directional. The preferred path is port 1 to 2, to allow interchangeability with other flow controls.
- 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.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- There is no leakage when the adjustment mechanism is turned to the shut-off position.

Technical Data

	U.S. Units	Metric Units
Model Weight	2.70 lb.	1.22 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
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



NFEC-LEN

Control

Maximum Orifice Diameter

External Material/Seal Material

L Standard Screw
Adjustment

+0.00

E .38 in. (9,7 mm) +0.00

N Buna-N +0.00

Stainless material/seal options not available for this model

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