

Fully adjustable needle valve

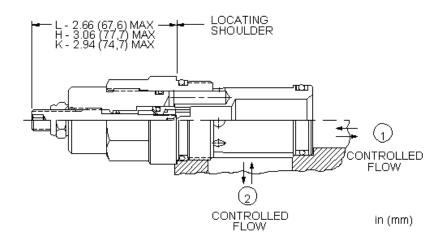
Capacity: .38 in. (9,7 mm)

Model: NFEC

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.



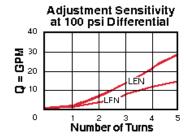


Technical Features

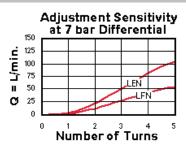
- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- Because needle valves are non-compensating devices, the fixed orifice size will 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.

Tochnical Data

Technical Data			
	U.S. Units	Metric Units	
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 4 mm 15 mm	
Adjustment Screw Internal Hex Size	5/32 in.		
Adjustment Locknut/Cap Hex Size	9/16 in.		
Adjustment Nut Torque	80 - 90 lbf in.	9 - 10 Nm	
Seal Kits - Cartridge	Buna: 990-016-007		
Seal Kits - Cartridge	Viton: 990-016-006		
Model Weight	1.22 lb.	0.55 kg.	



K Handknob



NFEC-LEN

	Control	I	Maximum Orifice Diameter		Seal Material
Preferred (Options	Pre	eferred Options	Preferr	red Options
L Standard C	d Screw Adjustment Options		.38 in. (9,7 mm) andard Options	N Standa	Buna-N ard Options
H Calibrate Detent L	ed Handknob with .ock	F	.28 in. (7,1 mm)	V	Viton

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