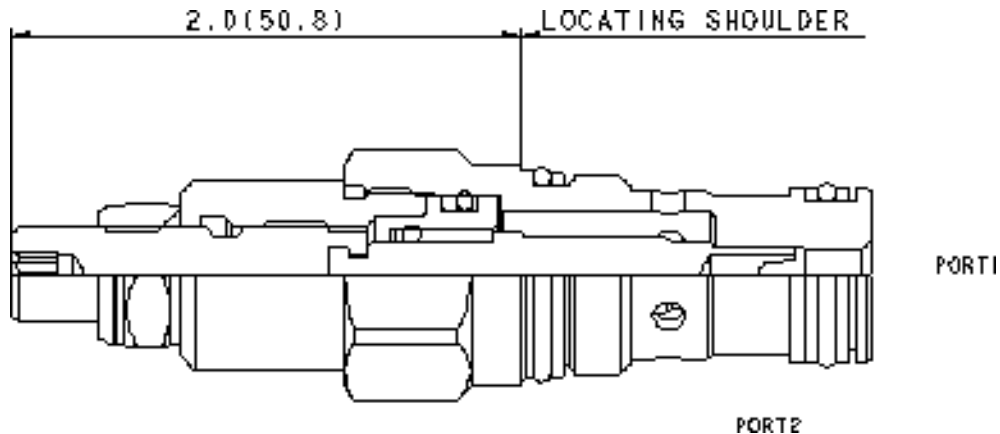




## NFCC-LCN - Fully adjustable needle valve

### 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.



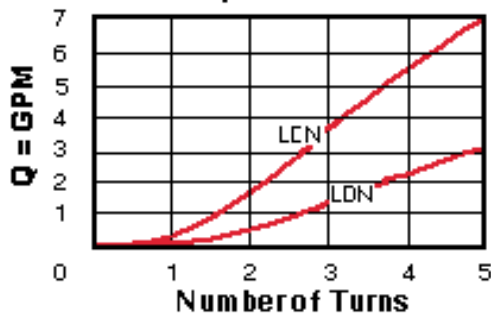


# HYDRAULIC MEGASTORE

Serving the Hydraulics Industry Worldwide

	U.S Units	Metric Units
Cavity	T-13A	
Capacity	7 gpm (19 inch)	25 L/min. (4/8mm)
Adjustment – Number of Counterclockwise Turns – Fully Closed to Fully Open	5	
Maximum Operating Pressure	5000 psi	350 bar
Series (from cavity)	Series 1	
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	30 – 35 lbf ft	41 – 47 Nm
Adjustment Screw Internal Hex Size	5/32 in.	4 mm
Adjustment Locknut/Cap Hex Size	9/16 in.	15 mm
Adjustment Nut Torque	80 – 90 lbf in.	9 – 10 Nm
Seal Kits – Cartridge	Buna: 990-010-007	
Seal Kits – Cartridge	Polyurethane: 990-010-002	
Seal Kits – Cartridge	Viton: 990-110-006	
Model Weight	0.32 lb.	0.15 kg

**Adjustment Sensitivity at 100 psi Differential**



**Adjustment Sensitivity at 7 bar Differential**

