

## Fully adjustable needle valve with reverse flow check

Functional Group:

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

## 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.



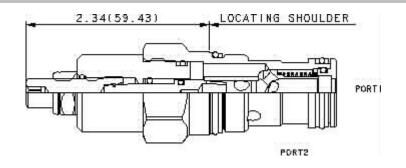
Capacity:

Model:

.25 in. (6,4 mm)

NCEB-LAV

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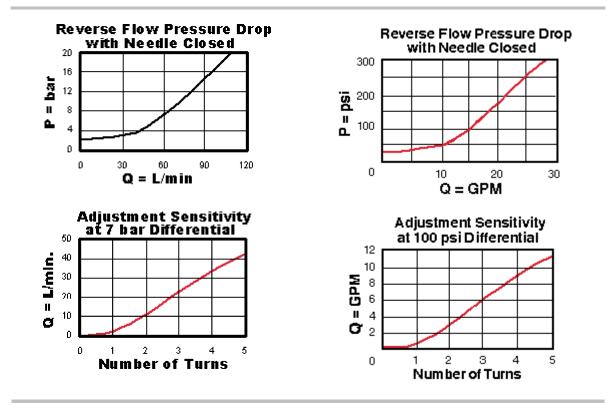
## **Technical Features**

- 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.

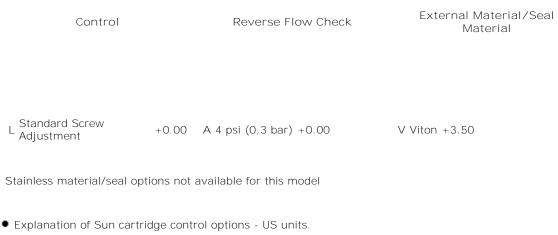
	U.S. Units	Metric Units
Model Weight	0.59 lb.	0.27 kg.
Cavity	T-5A	
Capacity	.25 in.	6,4 mm
Adjustment - Number of Counterclockwise Turns - Fully Closed to Fully Open	5	
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	5 drops/min.	0,4 cc/min.
Series (from Cavity)	Series 2	
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm
Adjustment Screw Hex Socket Size	5/32 in.	4 mm

## Technical Data

Adjustment Nut Hex Size	9/16 in.	15 mm		
Adjustment Nut Torque	108 lbf in.	12 Nm		
Seal Kits	Buna: 990-203-007			
Seal Kits	Viton: 990-	Viton: 990-203-006		



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• Explanation of Sun cartridge control options - metric units.

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