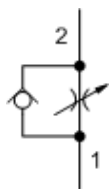
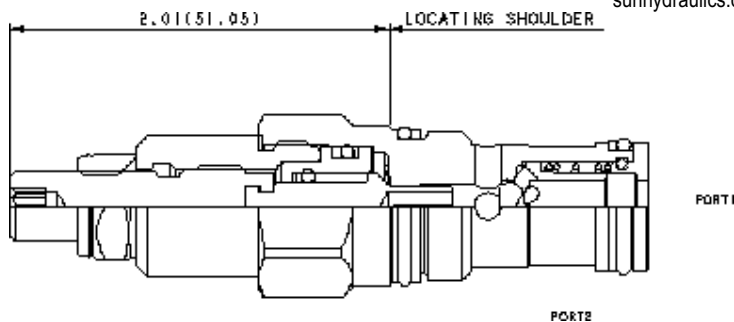




CONFIGURATION

L	Control	Standard Screw Adjustment
A	Reverse Flow Check	4 psi (0,3 bar)
N	Seal Material	Buna-N
(none) Material/Coating		

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.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-13A
Series	1
Capacity	1 gpm (.06 inch)
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	5 drops/min.
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5
Valve Hex Size	7/8 in.
Valve Installation Torque	30 - 35 lbf ft
Adjustment Screw Internal Hex Size	5/32 in.
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990010007
Seal kit - Cartridge	Polyurethane: 990010002
Seal kit - Cartridge	Viton: 990010006
Model Weight	0.32 lb.

NOTES

For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

CONFIGURATION OPTIONS

Model Code Example: NCCDLAN

CONTROL	(L) REVERSE FLOW CHECK	(A) SEAL MATERIAL	(N) MATERIAL/COATING
L Standard Screw Adjustment	A 4 psi (0,3 bar)	N Buna-N	Standard Material/Coating
H Calibrated Handknob with Detent Lock	B 15 psi (1 bar)	V Viton	/AP Stainless Steel, Passivated
K Handknob	C 30 psi (2 bar)		/LH Mild Steel, Zinc-Nickel
O Handknob with Panel Mount	D 50 psi (3,5 bar)		
R Capped Screw Adjustment	E 75 psi (5 bar)		
Y Tri-Grip Handknob			

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.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.

PERFORMANCE CURVES

