



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.

Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,3 cc/min.
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990010007
Seal kit - Cartridge	Polyurethane: 990010002
Seal kit - Cartridge	Viton: 990010006

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