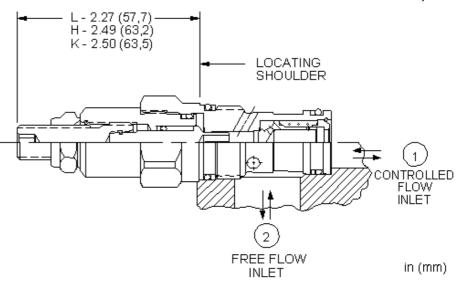


MODEL NCCB



snhy.com/NCCB





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	28 L/min. (4,8 mm)		
Maximum Operating Pressure	350 bar		
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.		
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5		
Valve Hex Size	22,2 mm		
Valve Installation Torque	41 - 47 Nm		
Adjustment Screw Internal Hex Size	4 mm		
Locknut Hex Size	15 mm		
Locknut Torque	9 - 10 Nm		
Seal kit - Cartridge	Buna: 990010007		
Seal kit - Cartridge	EPDM: 990010014		
Seal kit - Cartridge	Polyurethane: 990010002		
Seal kit - Cartridge	Viton: 990010006		
Model Weight	0.14 kg.		

**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: NCCBLCN

CONTROL	(L) REVERSE FLOW CHECK	(C) SEAL MATERIAL	(N)	MATERIAL/COATING
L Standard Screw Adjustment	<b>C</b> 30 psi (2 bar)	N Buna-N		Standard Material/Coating
H Calibrated Handknob with Detent Lo	ck A 4 psi (0,3 bar)	E EPDM		<b>IAP</b> Stainless Steel, Passivated
K Handknob	E 75 psi (5 bar)	V Viton		ILH Mild Steel, Zinc-Nickel
R Capped Screw Adjustment				

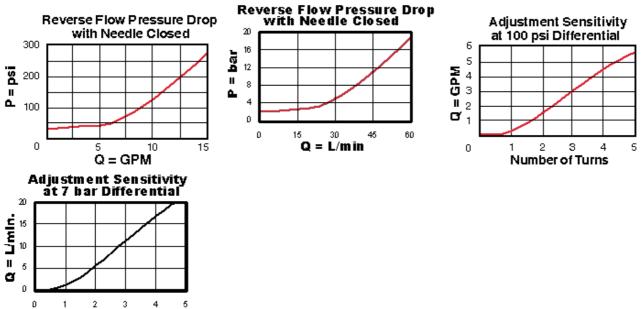
Y Tri-Grip Handknob

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# **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. ٠
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage • the seals.

### **PERFORMANCE CURVES**



Number of Turns D