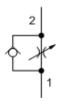


MODEL NCCB

Fully adjustable needle valve with reverse flow check
SERIES 1 / CAPACITY: 28 L/min. (4,8 mm) / CAVITY: T-13A



nhy.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.

## **CONFIGURATION**

L	Control	Standard Screw Adjustment
С	Reverse Flow Check	30 psi (2 bar)
N	Seal Material	Buna-N
(none) Material/Coating		Standard Material/Coating

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

H Calibrated Handknob with Detent Lock

A 4 psi (0,3 bar)

N Buna-N

Standard Material/Coating

K HandknobR Capped Screw Adjustment

Y Tri-Grip Handknob

**E** 75 psi (5 bar)

E EPDMV Viton

IAP Stainless Steel, Passivated ILH Mild Steel, Zinc-Nickel

# 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.
- 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

