# Adjustable, Needle Valve



#### **SERIES NC**





# **DESCRIPTION**

A non-self-contained cartridge valve designed to provide a variable flow restriction with positive shut-off. Valve sizes range from 1/8" to 3/4". Available sizes; SAE 4, SAE 6 and NPTF sizes from 1/8" to 3/4".

#### **OPERATION**



The NC series of valves vary flow restriction by adjusting needle in or out and will shut off when fully closed. These valves will meter flow in either direction.

#### FEATURES and BENEFITS

- Aluminum knob.
- Fully adjustable.
- Adjustment may be locked in place.
- Positive shut-off.
- Compact size.

### **SPECIFICATIONS**

Operating Pressure: 3000 psi (207 bar) Flow: See FLOW CHARACTERISTICS chart. **Temperature:** -15°F to +400°F (-26°C to +204°C)

Recommended Filtration: ISO 20/18/14

Fluids: Mineral-based fluids. For other fluid compatibility, consult factory. Cavities/Cavity Tools: NC10; NC20; NC25; NC30 & NC35, see page 11.21.1

> NC4T, see page 11.21.2 NC6T, see page 11.21.3

# **FLOW CHARACTERISTICS**

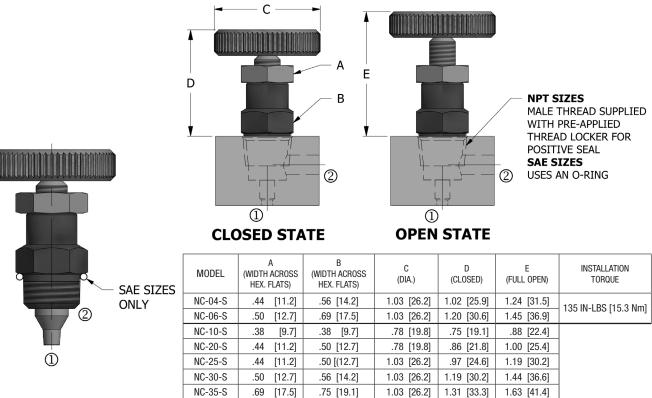
MODEL	FLOW MAX. RECOMMENDED gpm (lpm)		CV FLOW FACTOR (FULL OPEN)	
NC-04-S	13.5	(51.1)	.78	
NC-06-S	22.5	(85.2)	1.24	
NC-10-S	3.2	(12.1)	.19	
NC-20-S	7.0	(26.5)	.43	
NC-25-S	13.5	(51.1)	.78	
NC-30-S	22.5	(85.2)	1.24	
NC-35-S	34.0	(128.7)	1.78	

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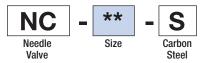


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# **HOW TO ORDER**



	Size	Flow - Maximum	Cavity	Seals	Seal Kit (external)
04	SAE 4	13.5 gpm (51.1 lpm)	NC4T	Viton	(1) 10031-20
06	SAE 6	22.5 gpm (85.2 lpm)	NC6T	Buna N	(1) 10031-22
10	1/8" NPT	3.2 gpm (12.1 lpm)	NC10		Thread Locker
20	1/4" NPT	7.0 gpm (26.5 lpm)	NC20	Viton (internal)	
25	3/8" NPT	13.5 gpm (51.1 lpm)	NC25		
30	1/2" NPT	22.5 gpm (85.2 lpm)	NC30		
35	3/4" NPT	34.0 gpm (128.7 lpm)	NC35		