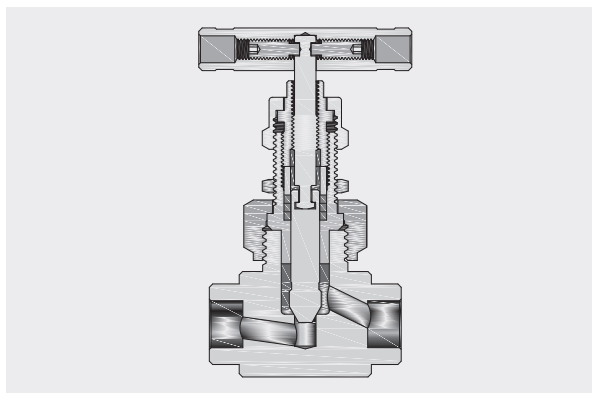
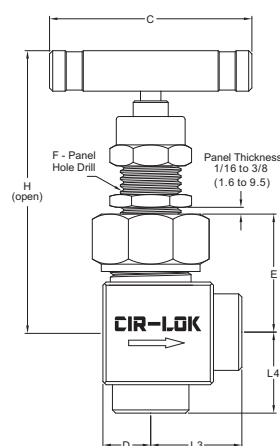
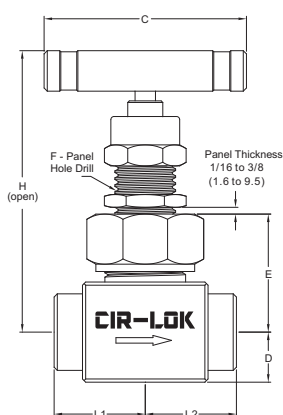


Needle Valves-NV3 Series

- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -65°F to 1200°F (-53°C to 648°C)
- ❖ Union-bonnet construction for safety
- ❖ Straight and angle patterns
- ❖ Upper stem and lower stem design, Stem threads above packing protected from system media
- ❖ Panel mounting available
- ❖ Optional handle colors available



Dimensions



Basic Ordering Number	Connection Type and Size	Orifice in. (mm)	Cv	Dimension, in. (mm)									
				L1	L2	L3	L4	C	D	E	F	H	
NV3-FNPT2-04-	1/8 Female NPT	0.157 (4.0)	0.35	1.00 (25.4)	1.00 (25.4)	0.89 (22.6)	1.00 (25.4)	1.75 (44.5)	0.39 (9.9)	1.09 (27.7)	19/32 (15.1)	3.04 (77.2)	
NV3-FNPT4-04-	1/4 Female NPT			1.03 (26.2)	1.03 (26.2)								
NV3-NPT4-FNPT4-04-	1/4 Male NPT			1.00 (25.4)	1.03 (26.2)								
NV3-NPT4-04-	1/4 Male NPT			1.00 (25.4)	1.00 (25.4)	1.00 (25.4)							
NV3-NPT6-04-	3/8 Male NPT			1.03 (26.2)	1.03 (26.2)	0.89 (22.6)							
NV3-FBP4-04-	1/4 Female BSPP			1.00 (25.4)	1.22 (30.9)	1.16 (29.5)							
NV3-NPT4-F4-04-	1/4 Male NPT			1.03 (26.2)	1.22 (30.9)								
NV3-FNPT4-F4-04-	1/4 Female NPT			1.03 (26.2)	1.22 (30.9)								
NV3-F4-04-	1/4" CIR-LOK			1.22 (30.9)	1.22 (30.9)	1.48 (37.6)							
NV3-M6-04-	6 MM CIR-LOK			0.91 (23.1)	0.91 (23.1)	0.88 (22.4)							1.19 (30.2)
NV3-FSW4-04-	1/4" FWS												
NV3-FNPT4-06-	1/4 Female NPT			0.236 (6.0)	0.8	1.13 (28.6)							1.13 (28.6)
NV3-FNPT6-06-	3/8 Female NPT	1.06 (26.9)											
NV3-NPT6-06-	3/8 Male NPT	1.50 (38.1)	1.50 (38.1)			1.25 (31.8)	1.50 (38.1)						
NV3-NPT8-06-	1/2 Male NPT	1.41 (35.9)	1.41 (35.9)			1.29 (32.8)	1.66 (42.2)						
NV3-F6-06-	3/8" CIR-LOK	1.52 (38.6)	1.52 (38.6)			1.40 (35.6)	1.65 (41.9)						
NV3-F8-06-	1/2" CIR-LOK	1.42 (36.1)	1.42 (36.1)			1.30 (33.0)	1.55 (39.4)						
NV3-M10-06-	10 MM CIR-LOK												

Basic Ordering Number	Connection Type and Size	Orifice in. (mm)	Cv	Dimension, in. (mm)																				
				L1	L2	L3	L4	C	D	E	F	H												
NV3-M12-06-	12 mm CIR-LOK	0.236 (6.0)	0.8																					
NV3-M14-06-	14 mm CIR-LOK																				1.52 (38.6)	1.52 (38.6)	1.40 (35.6)	1.65 (41.9)
NV3-M16-06-	16 mm CIR-LOK																							
NV3-FSW6-06-	3/8" FSW																							
NV3-FSW8-06-	1/2" FSW																							
NV3-MSW12-06-	12 mm MSW																				1.13 (28.6)	1.13 (28.6)	1.00 (25.4)	1.13 (28.6)
NV3-MSW14-06-	14 mm MSW																							
NV3-MSW16-06-	16 mm MSW																							
NV3-MBW14-06-	14 mm MBW																							
NV3-MBW16-06-	16 mm MBW																				1.50 (38.1)	1.50 (38.1)	1.25 (31.8)	1.50 (38.1)
NV3-UGM14-06-	14 mm UGM																				2.92 (74.1)	2.92 (74.1)	2.55 (64.7)	2.92 (74.1)
NV3-MS20-06-	M20 x 1.5 Male ISO																				1.50 (38.1)	1.50 (38.1)	1.13 (28.6)	1.50 (38.1)
NV3-MS22-06-	M22 x 1.5 Male ISO																							
NV3-FNPT8-11-	1/2 Female NPT																				1.56 (39.6)	1.56 (39.6)	1.31 (33.3)	1.56 (39.6)
NV3-FNPT12-11-	3/4 Female NPT	1.63 (41.3)	1.63 (41.3)																					
NV3-FNPT16-11-	1 Female NPT	1.81 (46.0)	1.81 (46.0)																					
NV3-NPT12-11-	3/4 Male NPT	1.63 (41.3)	1.63 (41.3)																					
NV3-F8-11-	1/2" CIR-LOK																							
NV3-F12-11-	3/4" CIR-LOK																							
NV3-M14-11-	14 mm CIR-LOK	0.433 (11.0)	1.8																					
NV3-M16-11-	16 mm CIR-LOK																				1.97 (50.0)	1.97 (50.0)	1.68 (42.7)	2.08 (52.8)
NV3-M18-11-	18 mm CIR-LOK																							
NV3-M20-11-	20 mm CIR-LOK																							
NV3-MSW14-11-	14 mm MSW																							
NV3-MSW16-11-	16 mm MSW																							
NV3-FSW8-11-	1/2" FSW																				1.56 (39.7)	1.56 (39.7)	1.31 (33.3)	1.69 (42.9)
NV3-FSW12-11-	3/4" FSW																							
NV3-MBW14-11-	14 mm MBW																							
NV3-MBW16-11-	16 mm MBW																							
NV3-UGM14-11-	14 mm UGM																				2.98 (75.7)	2.98 (75.7)		
NV3-MS27-11-	M27 x 2 Male ISO																				1.56 (39.7)	1.56 (39.7)		

❖ If working pressure up to 10,000 psi, please refer to NV31 series.

How to Order

NV3 — **FNPT8** — **F8** — **GY** — **R1** — **316**

S06S

Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seat Material	Orifice Size	Tip Material	Tip Type	Packing Material	Panel Mounting	Handle	Flow Pattern	Body Material	
NV3	FNPT	Female NPT	2 1/8 in.	Same as inlet type and inlet size	Same as Body	04	Same as Body	Blunt	PTFE	No	Black Aluminum Bar	Straight	316 316 S.S.	
	NPT	Male NPT	4 1/4 in.		S Stellite	06	S Stellite	R Regulating	G Graphite	Y Yes	Red Aluminum Bar	A1 Angle	316L 316L S.S.	
	FBT	Female BSPT	3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		11		A Ball						304 304 S.S.
	MBT	Male BSPT	1/2 in. or 8 mm			15								304L 304L S.S.
	FMS	Female ISO	10 10 mm			20								321 321 S.S.
	MS	Male ISO	12 3/4 in. or 12 mm											F91 F91
	FBP	Female BSPP	14 14 mm or M14 x 1.5											F92 F92
	MBP	Male BSPP	16 1 in. or 16 mm											A400 Alloy 400
	F	Fractional Tube Fitting	18 18 mm											A20 Alloy 20
	M	Metric Tube Fitting	20 20 mm or M20 x 1.5											A600 Alloy 600
	UGF	Nut + Gasket + Fractional Bulge Nipple	22 22 mm or M22 x 1.5											A825 Alloy 825
	UGM	Nut + Gasket + Metric Bulge Nipple	24 M24 x 1.5											A276 Alloy C276
	FSW	Fractional Tube Socket Weld	25 25 mm											DU7 Duplex 2507
	MSW	Metric Tube Socket Weld	27 M27 x 2											BR Brass
	FBW	Fractional Tube Butt Weld	28 28 mm											
	MBW	Metric Tube Butt Weld												
PSW	Pipe Socket Weld													
PBW	Pipe Butt Weld													