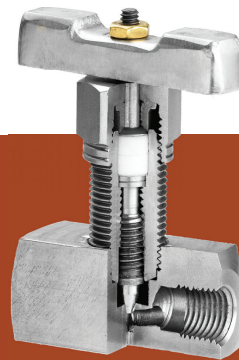


# Kerotest/Marsh N Series Needle Valves Hard Seat, 316 Stainless Steel



## Product Brief

Designed for applications where caustic liquids and corrosive media are common. Kerotest/Marsh “N” Series Needle Valves are used in processing plants, oil and gas production, hydraulic and pneumatic equipment, testing labs—anywhere the flow of fluid must be carefully regulated.

## Features/Benefits

- **Maximum operating pressure:** 10,000 psi (70,000 kPa).
- **Minimum burst pressure:** 20,000 psi (140,000 kPa).
- **Temperature limits:** -100° to 800° F (-73° to 426° C) for Grafiflex® packed valves, 500° F for Teflon® packed valves.
- **Flow coefficients (C<sub>v</sub>):** See part number table.
- **Body and bonnet material:** 316 stainless steel.
- **Stem material:** 17-4 PH stainless steel.
- **Packing:** Teflon, Grafiflex (optional).
- **Handle:** Two-prong. Stainless steel for 1/8" through 1/2" sizes. Malleable iron for 3/4" and 1" sizes.
- **Connection:** National Pipe Thread, meeting specifications of Federal Standard H-28.
- **Finish:** Stainless steel is passivated (surface contamination removed).
- **Assembly:** Bonnet is threaded into body and staked to prevent turning.



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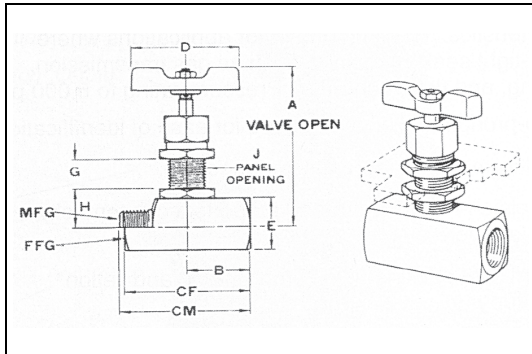
## Specifications

Pattern	NPT Size	Part No.	C <sub>v</sub>
FFG	1/8"	N1311	0.4
	1/4"	N1312	0.4
	3/8"	N1313	0.9
	1/2"	N1314	1.1
	3/4"	N1316	2.3
	1"	N1318	3.5
MFG	1/4"	N1332	0.4
	1/2"	N1334	1.2

Pattern	NPT Size	Part No.	C <sub>v</sub>
FFA	1/8"	N1351	0.7
	1/4"	N1352	0.8
	3/8"	N1353	1.6
	1/2"	N1354	1.5
	3/4"	N1356	4.4
	1"	N1358	6.2
MFA	1/4"	N1372	0.6
	1/2"	N1374	1.5

## Dimensions

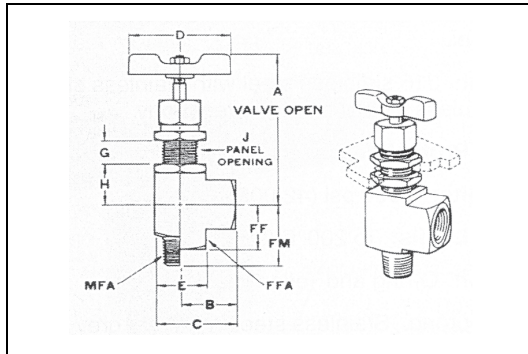
FFG and MFG



Dimension	Nominal Size (in Inches)					
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
A	3-1/16	3-1/16	3-3/4	3-3/4	5-1/4	5-7/8
B	1-1/32	1-1/32	1-7/16	1-7/16	1-13/16	2-1/32
CF	2-1/16	2-1/16	2-7/8	2-7/8	3-5/8	3-5/8
CM	2-1/16	2-7/32	2-7/8	3	3-5/8	—
D	2-1/2	2-1/2	2-1/2	2-1/2	4-1/4	4-1/4
E	1	1	1-3/8	1-3/8	1-1/2	2
G	9/16	9/16	27/32	27/32	27/32	27/32
H	21/32	21/32	15/16	15/16	1-5/32	1-13/32
J	25/32	25/32	29/32	29/32	1-7/32	1-7/32
①	3/16	3/16	5/16	5/16	7/16	7/16

① Orifice.

FFA and MFA



Dimension	Nominal Size (in Inches)					
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
A	3-1/16	3-1/16	3-3/4	3-3/4	4-7/8	5-9/16
B	1-1/32	1-1/32	1-11/32	1-11/32	1-23/32	1-61/64
C	1-15/32	1-15/32	1-31/32	1-31/32	2-15/32	2-61/64
D	2-1/2	2-1/2	2-1/2	2-1/2	4-1/4	4-1/4
E	7/8	7/8	1-1/4	1-1/4	1-1/2	2
FF	1-1/32	1-1/32	1	1-5/32	1-3/4	1-25/32
FM	1-1/32	1-11/32	1	1-19/32	1-3/4	1-25/32
G	3/8	3/8	3/4	3/4	27/32	27/32
H	5/8	5/8	13/16	13/16	1-1/16	1-11/32
J	25/32	25/32	29/32	29/32	1-7/32	1-7/32
①	3/16	3/16	5/16	5/16	7/16	7/16

① Orifice.

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