

Kerotest/Marsh N Series Needle Valves Hard Seat, Alloy Steel



Product Brief

An economical valve for regulating pressures up to 10,000 psi. Suitable for air, water, oil and other fluids with low-level corrosiveness. 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:** -20° to 800° F (-28° to 426° C) for Grafiflex® packed valves, 500° F for Teflon® packed valves.
- **Flow coefficients (C_v):** See part number table.
- **Body and bonnet material:** AISI 1045 alloy steel.
- **Stem material:** 416 stainless steel, hardened.
- **Packing:** Teflon, Grafiflex (optional).
- **Handle:** Two-prong. Cast aluminum 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:** Clear zinc plating.
- **Assembly:** Bonnet on all globe valves 1/2" and under is threaded into body and staked to prevent turning. Body and insert for angle valves fused into single unit by a welding process.



An Employee-Owned Company

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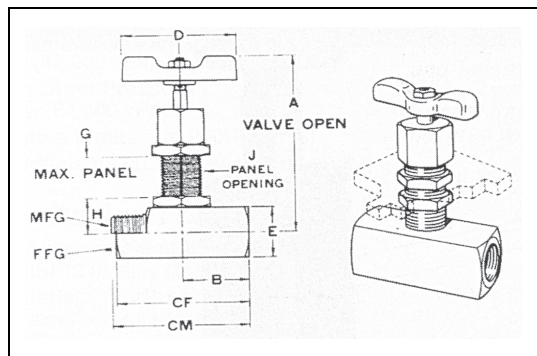
Specifications

Pattern	NPT Size	Part No.	C _v
FFG	1/8"	N1511	0.4
	1/4"	N1512	0.4
	3/8"	N1513	0.9
	1/2"	N1514	1.1
	3/4"	N1516	2.3
	1"	N1518	3.5
MFG	1/4"	N1532	0.4
	1/2"	N1534	1.2

Pattern	NPT Size	Part No.	C _v
FFA	1/8"	N1551	0.7
	1/4"	N1552	0.8
	3/8"	N1553	1.6
	1/2"	N1554	1.5
	3/4"	N1556	4.4
	1"	N1558	6.2
MFA	1/4"	N1572	0.6
	1/2"	N1574	1.5

Dimensions

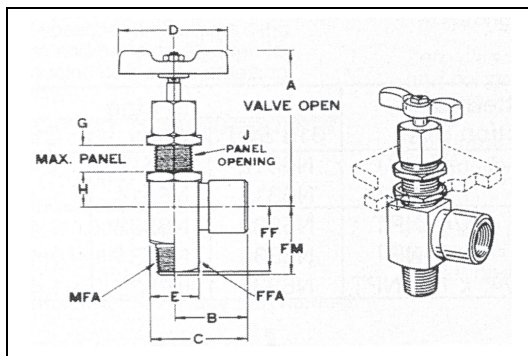
FFG and MFG



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	5-3/16	5-13/16
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	2-29/32	2-29/32	3-15/32	3-15/32	4-5/32	5-9/32
B	1	1	1-21/32	1-21/32	2	2-7/16
C	1-7/16	1-7/16	1-21/32	2-7/32	2-3/4	3-7/16
D	2-1/2	2-1/2	2-1/2	2-1/2	4-1/4	4-1/4
E	7/8	7/8	1-1/8	1-1/4	1-1/2	2
FF	1	1	1-17/32	1-17/32	2	2-3/32
FM	1	1-7/32	1-17/32	1-19/32	2	2-3/32
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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