

Kerotest/Marsh N Series Needle Valves Soft Seat, 316 Stainless Steel and Alloy Steel, Full Port



Product Brief

Large bore size (0.257") permits cleanout with rod. The full-port, straight-through design reduces pressure drop across valve, decreases turbulence, and improves flow characteristics. Recommended for applications where bubble-tight seat is required, such as gas transmission, metering, and flow recorders. Pressure rating to 6,000 psi. 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:** 6,000 psi (42,000 kPa).
- **Temperature limits:** -20° to 200° F (-28° to 93° C).
- **Flow coefficients (C_v):** See part number table.
- **Body and bonnet material:** 316 stainless steel or AISI 1045 alloy steel.
- **Stem material:** 316 stainless steel with stainless steel body, 303 stainless steel with alloy steel body.
- **Bonnet cap (protective cover):** Polyethylene, beige.
- **Packing:** Viton® O-ring and Teflon® backup ring.
- **Handle:** Two-prong. Stainless steel for stainless steel. Cast aluminum for alloy steel.
- **Connection:** National Pipe Thread, meeting specifications of Federal Standard H-28.
- **Finish:** Stainless steel is passivated. Alloy steel has a clear zinc finish.
- **Assembly:** The bonnet-pin lock is standard for all large-bore soft-seat needle valves.



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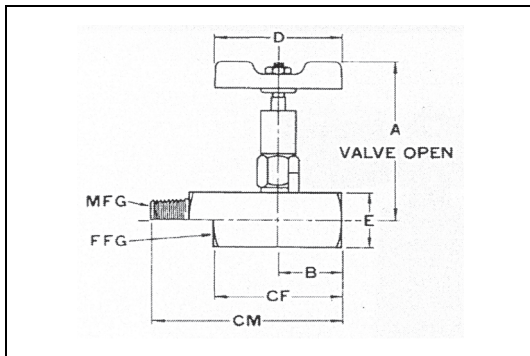
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Specifications

Pattern	NPT Size	Part No. 316 SST	Part No. Alloy	C _v
FFG	1/4"	N6312	N6512	1.4
	1/2"	N6314	N6514	1.4
MFG	1/4"	N6332	N6532	1.4
	1/2"	N6334	N6534	1.4
	1/4" x 1/2"	N6335	N6535	1.4

Dimensions

FFG and MFG



Dimension	Nominal Size (in Inches)			
	1/4"	1/2"	1/4" x 1/2"	1"
A	3-21/64	3-21/64	3-21/64	6-3/4
B	1	1-1/4	1	2-1/32
CF	2	2-1/2	—	4-1/16
CM	3-3/8	3-3/4	3-15/32	—
D	2-1/2	2-1/2	2-1/2	4-1/2
E	1-1/8	1-1/8	1-1/8	2-1/4
①	3/16 SP	3/16 SP	3/16 SP	5/8
①	7/32 FP	7/32 FP	7/32 FP	5/8

① Orifice.

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