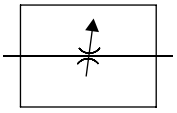
NEEDLE VALVES

MODEL:- NVS, NVA

SERVICE :- GASES / LIQUIDS



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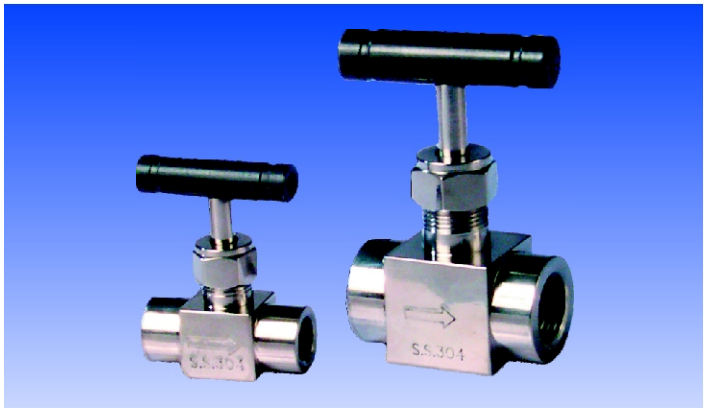


Application

These needle valves offer a wide range of sizes, patterns and end connections. The bar stock valve bodies can be furnished with male or female pipe connections. These valves provide complete flexibility in any layout from miniaturised tubing systems to 1" pipe systems.
Rugged, compact, bar stock body valves afford complete versatility for ease of installation and exacting service.
Precision machined stainless steel stems to assure concentricity of all diameters. This inturn means easier operation and low wearing capabilities. Cut threads provide accurate flow regulation at any pressure.

Technical Data

Material Specification

Body	Brass / St.Steel 304/316 - Bar Stock
Needle	St.Steel 304/316
Seal	High Nitrile 3307, Viton & Silicon optional
Adj. Knob	Aluminium epoxy powder coated

Ordering References

Materials of Const. of Body	MODELS / CONNECTIONS				
	G 1/4	G 3/8	G 1/2	G 3/4	G 1
Brass (B)	NVS-02BB	NVS-03BB	NVS-04BB	NVS-06BB	NVS-08BB
St.Steel 304 (S)	NVS-02BS	NVS-03BS	NVS-04BS	NVS-06BS	NVS-08BS
St.Steel 316(SS)	NVS-02BSS	NVS-03BSS	NVS-04BSS	NVS-06BSS	NVS-08BSS

- Available in straight and angle patterns. (Suffix-A) in place of S (NVA)
- Double ferrule tube fitting connections and screwed to BSP, BSPT & NPT (Please specify F, B, T or N) accordingly.
- Metering Needle valve available on request.

Features

1. Rugged compact bar stock body
2. Straight and angle patterns.
3. Low operation torque
4. Packing Adjustable and can be replaced without removing valves from the systems
5. Panel mounting standard
6. 100% Factory tested

Applications

- Instrumentation
- Chemical Plants
- Refineries
- Laboratories
- Hydraulics
- Processing Plants
- Pressure transmitters
- Paper mills

Pressures

Standard - 205 Kg/cm^2
Available upto 410 Kg/cm^2 on request.

Temperature Ranges

		SUFFIX
Nitrile Seal	90^0 C	N
Viton seal	150^0 C	V
Silicon Seal	200^0 C	S

Model Ordering Code Instruction

MT - NV - S - 02 - - - P - B - N - F - F

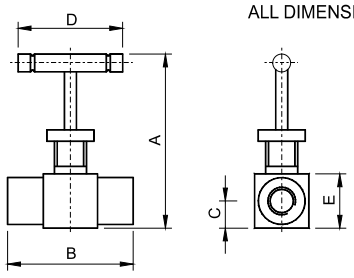
- MT: Blank - Std; MT - Metering
- NV: Needle Valve
- S: Pattern — S-Straight, A-Angle
- 02: Sizes — 01-G1/8, 02-G1/4, 03-G3/8, 04-G1/2, 06-G3/4, 08-G1
- Conn.: Blank - BSP, N - NPT
- P: Max. Pressure — P - 10Kg/cm2, P1 - 35Kg/cm2, P2 - 70Kg/cm2, P3 - 135Kg/cm2, P4 - 200Kg/cm2, P5 - 400Kg/cm2
- B: Mat. Of const. — B -Brass, S -St. Steel, SS - St.Steel316, C - Carbon Steel
- N: Seals — N-Nitrile, V-Viton, S-Silicon, T-PTFE
- F: In Connection — F-Female, M-Male, T-Tube
- F: Out Connection — F-Female, M-Male, T-Tube

Order Code : NVS - 02 - P - B - N - F - F

Dimensions & Weight

SIZES	A	B	C	D	E	No. of TURNS	WEIGHT IN Kgs.
G1/8	52/57	36	E/2	28	15	5	0.110
G1/4	61/66	44	E/2	34	19	5	0.147
G3/8	73/79	50	E/2	34	25	5	0.316
G1/2	85/93	57	E/2	55	30	6	0.362
G3/4	98/112	68	E/2	55	32	11	0.380
G1	120/137	77	E/2	70	40	9.5	1.082

ALL DIMENSIONS ARE IN MM.



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