

NV-02

Needle Valves with compression ends for use in applications on fluids containing solid particles designed to give high capacity bi-directional flow with reliable bubble tight shut off. The flow path of the valve is easy to clean for viscous fluid application. Offered with Waaree designed twin ferrules and nuts available in imperial and metric sizes (See Tube Fitting catalogue No. FIT/04/06). Available with tube end connections in sizes from 6 mm to 12 mm and 1/4" to 1/2" tube or one end screwed to male or female.

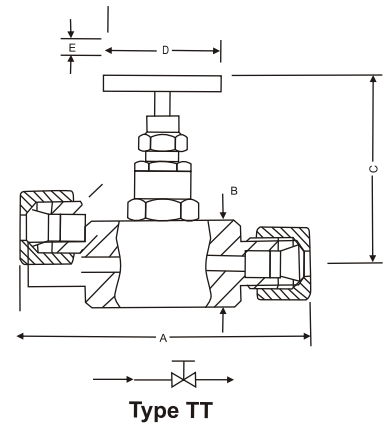
Technical specifications

Design Pressure	:	6000 PSI /400 bar
Max temp.	:	240°C
Stem	:	Rising Plug(Type BD)
Stem packing area	:	Burnished finish for smooth valve operation.
Safety Feature	:	Back seating for preventing stem blowout.
Feature	:	Replaceable soft seat which absorbs contaminants and operates in dirty service, with easy Maintenance and straight through design for high



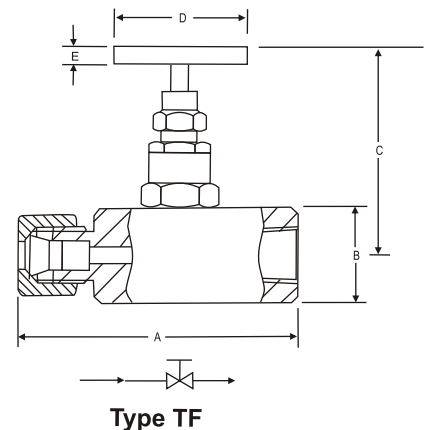
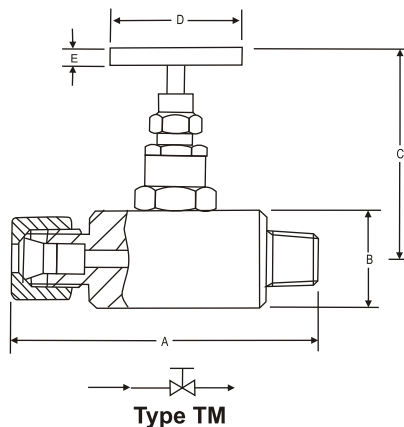
Type (TT)	Length A	Width B	Height (open) Max., C	Handle D	Handle OD E
6M x 6M	65	25	64.5	40	10
8M x 8M	65	25	64.5	40	10
10Mx 10M	65	25	64.5	40	10
12M x 12M	65	32	94	50	12
Type (TF)					
1/4" OD x 1/4" NPTF	65	25	64.5	40	10
3/8" OD x 3/8"NPTF	65	25	64.5	40	10
1/2" OD x 1/2"NPTF	65	32	94	50	12
Type (TM)					
1/4" OD or 6M x 1/4"NPTM	65	25	64.5	40	10
8M x 1/4"NPTM	65	25	64.5	40	10
3/8"OD or 10M x 3/8" NPTM	65	25	64.5	40	10
1/2" OD or 12M x 1/2" NPTM	72	32	94	50	12

All dimensions are in mm.



Applications

- Instrument isolation
- Media throttling
- Liquid and vapor service.



HOW TO ORDER: NV-02

Body Material	Stem Packing	Size = P x P1	Connections	Threads
C = Carbon Steel	P = PTFE	6M = 6 x 6mm OD	TT = Tube x Tube	N = NPT (ANSI B 1.20.1)
S = SS 316	G = Grafoil	8M = 8 x 8mm OD	TM = Tube x Male	P = BSPP (BS 2779, ISO 228/1)
S4 = SS 304		10M = 10 x 10mm OD	TF = Tube x Female	B = BSPT (BS 21, ISO 7/1)
SL = SS 316L		12M = 12 x 12mm OD		
M4 = Monel 400		4T = 1/4" x 1/4" OD		
M5 = Monel 500		6T = 3/8" x 3/8" OD		
H = Hastelloy C		8T = 1/2" x 1/2" OD		
B = Brass		4 = 1/4"OD x 1/4" thread		
		6 = 3/8"OD x 3/8" thread		
		8 = 1/2"OD x 1/2" thread		

Options -

IE : Handle circular.

TF : Compliance to NACE standard MR-0175.

SG : For Oxygen service, valves are supplied cleaned, degreased and suitably packed.

GH : Material test certificate

GO : Hydro test certificate

Example

To place an order simply refer to the codes in the table.

Valve Type : Body Material + Stem Packing + Size + Connections = Options

NV-02 + S + P + 8T + TT = NV-02-S-P-8T-TT-Options

Note -

The weld prepared types are available with a male-or-female plain end - suitable for socket weld, or male butt weld end.

Always specify pipe schedule and further requirements when ordering valves for welded or Flange connections. Panel mounting option for installation in racks and panels.

Standard Valve Materials

Valve	Body	Bonnet	Stem	Tip
Carbon Steel	CS A105	CS A105	SS 304	SS 304
Stainless Steel	SS 316	SS 316	SS 316	SS 316