

NV-04

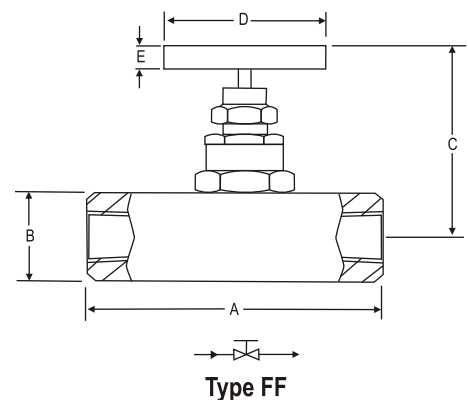
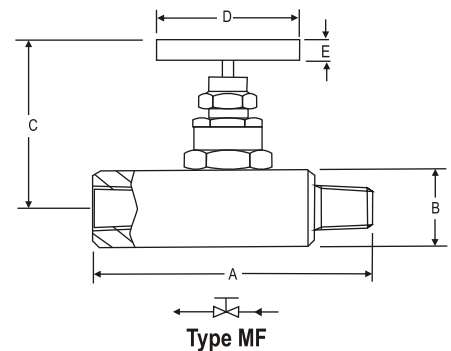
Type needle valves with soft seat types are designed for use on applications requiring complete isolation or throttling of the media and for high pressure instrument lines. Ideal for use on gas services and some liquid applications. Specially designed Delrin needle tip (stem type DS) rolled into the needle in perfect location for positive bubble tight shut-off. Available with end connections in sizes from 1/8" to 1" and a wide choice of female screwed, male to female screwed or socket weld.

Technical specifications

Design Pressure	:	6000 PSI / 400 bar
Max temp.	:	100°C
Material	:	Stainless steel
Stem	:	(DS)Delrin Soft Needle Tip rolled into the needle
Gland Packing	:	PTFE
Stem packing area	:	Burnished finish for smooth valve operation.
Safety Feature	:	Back seating for preventing stem blowout.

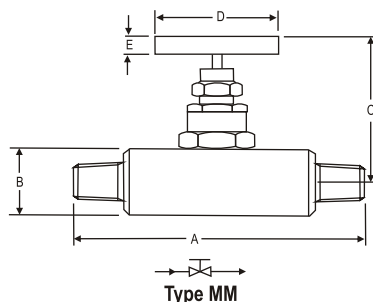
Size	Type	Length A	Width B	Height (open) Max., C	Handle D	Handle OD E
1/8"	FxF	50	25	63.5	40	10
	MxF	55	25	63.5	40	10
	MxM	60	25	63.5	40	10
1/4"	FxF	55	25	63.5	40	10
	MxF	65	25	63.5	40	10
	MxM	60	25	63.5	40	10
3/8"	FxF	55	25	63.5	40	10
	MxF	65	25	63.5	40	10
	MxM	65	25	63.5	40	10
1/2"	FxF	65	32	93.5	50	12
	MxF	75	32	93.5	50	12
	MxM	70	32	93.5	50	12
3/4"	FxF	70	38	96.5	50	12
	MxF	75	38	96.5	50	12
	MxM	80	38	93.5	50	12
1"	FxF	90	45	101	70	12
	MxF	105	45	101	70	12
	MxM	105	45	101	70	12

All dimensions are in mm



Applications

- Instrument line shut off.
- Instrument isolation.
- Gauge isolation.
- Drain valve.
- Specially designed for gas service and liquid applications.



HOW TO ORDER: NV-04

Body Material	Stem Packing	Size = P x P1	Connections	Threads
C = Carbon Steel	P = PTFE	22 = 1/8" x 1/8"	FF = Female x Female	N = NPT (ANSI B 1.20.1)
S = SS 316	G = Grafoil	24 = 1/4" x 1/4"	MF = Male x Female	P = BSPP
S4 = SS 304		33 = 3/8" x 3/8"	MM = Male x Male	(BS 2779, ISO 228/1)
SL = SS 316L		44 = 1/2" x 1/2"	SW = Socket Weld	B = BSPT (BS 21, ISO 7/1)
M4 = Monel 400		66 = 3/4" x 3/4"		
M5 = Monel 500		88 = 1" x 1"		
H = Hastelloy C				
B = Brass				

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 + Threads + Options

NV-04 + S + P + 44 + FF + N = NV-04-S-P-44-FF-N-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
Monel	Monel	Monel	Monel	Monel