

Needle Valve (Hard Seat)

NV4EVO



Instrumentation Valves Needle Valve (Hard Seat)

Needle valves with hard seat are designed for use on applications requiring complete isolation or throttling of the media. The conical metal tip is press fitted to ensure perfect alignment for a positive bubble tight shut-off.

Available with end connections in sizes 1/8" to 1" and a wide choice in connections of female screwed, male screwed, male to female screwed or socket weld.

Applications:

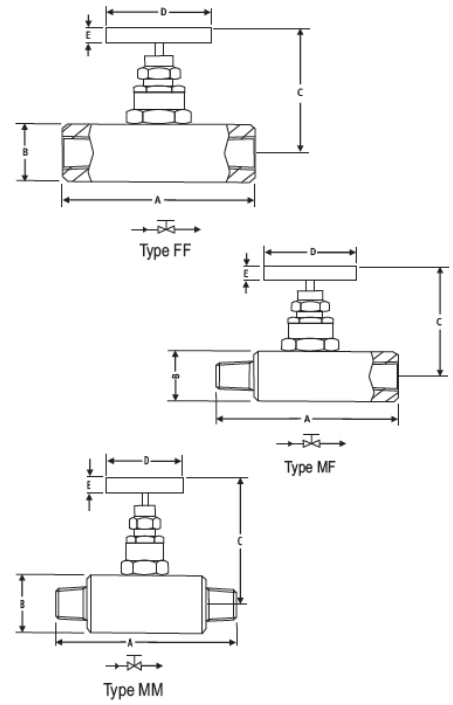
- High line pressure shut-off
- Instrument isolation
- Drain valve
- Liquid and vapour service



Specifications (Standard Version):

Body Material	Stainless Steel 316
Stem Material	Stainless Steel 316
Valve Assembly	Stainless Steel 316
T-Bar Handle	Stainless Steel 316
Maximum working Pressure	6000 PSI
Maximum Working Temperature	240°C
Packing	PTFE
Stem Type	(CT) Conical Metal Tip
Stem Packing Area	Burnished finish for smooth valve operation

Size	Type	Length A	Width B	Height (open) Max., C	Handle D	Handle OD E
1/8"	FxF	50	22	55	40	10
	MxF	55	22	55	40	10
	MxM	60	22	55	40	10
1/4"	FxF	55	25	65	40	10
	MxF	65	25	65	40	10
	MxM	60	25	65	40	10
3/8"	FxF	55	25	65	40	10
	MxF	65	25	65	40	10
	MxM	65	25	65	40	10
1/2"	FxF	65	32	86.6	55	12.7
	MxF	75	32	86.6	55	12.7
	MxM	70	32	86.6	55	12.7
3/4"	FxF	70	38	88.6	55	12.7
	MxF	75	38	88.6	55	12.7
	MxM	80	38	86.6	55	12.7
1"	FxF	90	45	98	70	12
	MxF	105	45	98	70	12
	MxM	105	45	98	70	12



Other combination sizes available on request. Please contact EVO Instrumentation for further details.

Note: Drawings are not to scale. All Dimensions are in mm.

Body Material	Stem Packing	Size = P x P1	Connections	Thread Sizes
Carbon Steel	PTFE	1/8" x 1/8"	Female x Female	NPT
Stainless Steel 316	Grafoil	1/4" x 1/4"	Male x Female	BSP
Stainless Steel 304		3/8" x 3/8"	Male x Male	BSPT
Stainless Steel 316L		1/2" x 1/2"	Socket Weld	
Monel 400		3/4" x 3/4"		
Monel 500		1" x 1"		
Hastelloy C				
Brass				

Options:

Various options are available:

- Compliance to NACE standard
- Oxygen service – valves are supplied cleaned, degreased and suitably packed.
- Material test certificate*
- Hydro test certificate
- 10,000 PSI pressure
- 20,000 PSI pressure

*Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult EVO Instrumentation. Full details available on request.

EVO Instrumentation reserves all rights to make modifications to the product.
Minimum order quantities may apply on non-stock items.

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