

Needle Valve (hard seat)



Features:

Type needle valves with hard seat are designed for use on applications requiring complete isolation or throttling of the media. The conical metal tip (Stem Type CT) press fitted ensures perfect alignment for positive bubble tight shut-off.

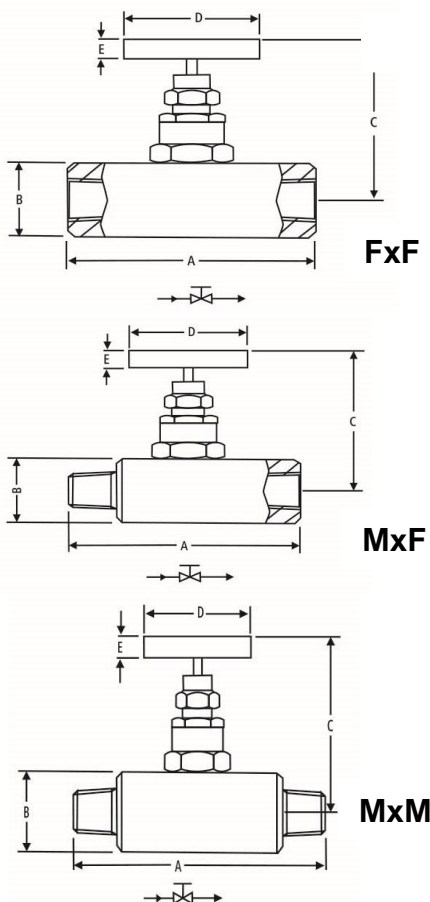
Applications:

- High pressure line shutoff & Instrument Isolation
- Drain valve
- Liquid and vapor service

Standard Parameters:

| | |
|-------------------|---------------------------------------------|
| Design Pressure | : 6000 PSI |
| Max temp. | : 240 deg C |
| Material | : Stainless steel |
| Stem | : (Type CT) Conical tip |
| Gland Packing | : PTFE |
| Stem packing area | : Burnished finish for smooth operation |
| Safety Feature | : Back seating for preventing stem blowout. |

Dimensional Drawing



| 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 |

Ordering codes

| | | | | | |
|---------------------------------------------------------------------------------------------|---------------------|----------------|-------------------|---------------------------|-----------|
| 1. Body material | | S6 | 4. Options | | MT |
| CS | Carbon Steel | | OS | Oxygen Service | |
| S6 | SS 316 | | MT | Material test certificate | |
| S4 | SS 304 | | HG | Hydro test Certificate | |
| Mo4 | Monel 400 | | | | |
| Mo5 | Monel 500 | | | | |
| HC | Hastelloy C | | | | |
| 2. Stem packing | | P | | | |
| P | PTFE | | | | |
| G | Grafoil | | | | |
| 3. Connection | | 06B.06B | | | |
| 06B.06B | 1/4" [M] x 1/4"[M] | | | | |
| 10B.10B | 3/8" [M] x 3/8" [M] | | | | |
| 15B.15B | 1/2" [M] x 1/2"[M] | | | | |
| 20B.20B | 3/4" [M] x 3/4"[M] | | | | |
| 06BF.06BF | 1/4" [F] x 1/4"[F] | | | | |
| 10BF.10BF | 3/8" [F] x 3/8" [F] | | | | |
| 15BF.15BF | 1/2" [F] x 1/2"[F] | | | | |
| 20BF.20BF | 3/4" [F] x 3/4"[F] | | | | |
| As shown in the examples above the connection can be Male-Male, Male-Female, Female-Female. | | | | | |

Ordering Example: NV1-S6-P-06B.06B-MT

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.