

BRASS FITTINGS

SCREW STEM SHUT-OFF VALVES NEEDLE VALVES

NEEDLE VALVES are constructed to meter fluids and gases. They are **O-RING SEALED** to eliminate valve maintenance. The O-ring is positioned between the actuating threads and the seat, and seals the closely fitted cylinder to give the lowest possible internal volume and protect threads from contamination.

NEEDLE VALVES have a medium tipped stem (37°) to offer RAPID SHUT OFF, FULL FLOW and a SEMI-METERING FUNCTION.

The standard construction is a forged brass body, brass stem, thrust washer, cap and a BUNA "N" 'O' - RING seal. This valve is rated for 1,000 p.s.i.g. service from -40° to 250° F.

FACTORY MUST BE CONSULTED WHEN VALVES ARE TO BE USED WITH FLAMMABLE FLUIDS IN ORDER TO DETERMINE WORKING PRESSURE AND O-RING COMPATIBILITY.
COMPRESSION AND FLARE ENDS CAN BE SUBSTITUTED FOR PIPE ENDS IN MOST CASES
(Price on application)



MIP X FIP STRAIGHT

| Part # | Pipe Thread Inlet Outlet | Style | Maximum Orifice | List Price |
|--------|-----------------------------|-------------|--------------------|---------------|
| 46-768 | 1/8 Male x 1/8 Female | Regular | 0.141 | 51.59 |
| 46-769 | 1/8 Male x 1/8 Female | Panel Mntg. | 0.141 | 62.86 |
| 46-770 | 1/4 Male x 1/4 Female | Regular | 0.188 | 49.88 |
| 46-771 | 1/4 Male x 1/4 Female | Panel Mntg. | 0.188 | 62.08 |

MIP X MIP STRAIGHT

| Part # | Pipe Thread Inlet Outlet | Style | Maximum Orifice | List Price |
|--------|-----------------------------|---------|--------------------|---------------|
| 46-774 | 1/8 Male x 1/8 Male | Regular | 0.141 | 43.05 |
| 46-775 | 1/8 Male x 1/8 Male | Panel | 0.141 | 57.58 |
| 46-776 | 1/4 Male x 1/4 Male | Regular | 0.188 | 43.37 |
| 46-777 | 1/4 Male x 1/4 Male | Panel | 0.188 | 58.74 |

FIP X FIP STRAIGHT

| Part # | Pipe Thread Inlet Outlet | Style | Maximum Orifice | List Price |
|--------|-----------------------------|---------|--------------------|---------------|
| 46-780 | 1/8 Female x 1/8 Female | Regular | 0.172 | 51.59 |
| 46-781 | 1/8 Female x 1/8 Female | Panel | 0.172 | 60.84 |
| 46-782 | 1/4 Female x 1/4 Female | Regular | 0.188 | 52.91 |
| 46-783 | 1/4 Female x 1/4 Female | Panel | 0.188 | 62.08 |

NEEDLE VALVES



MIP X FIP ANGLE

| Part # | Pipe Thread Inlet Outlet | Style | Maximum Orifice | List Price |
|--------|-----------------------------|-------------|--------------------|---------------|
| 46-786 | 1/8 Male x 1/8 Female | Regular | 0.188 | 49.88 |
| 46-787 | 1/8 Male x 1/8 Female | Panel Mntg. | 0.188 | 59.21 |
| 46-788 | 1/4 Male x 1/4 Female | Regular | 0.281 | 51.13 |
| 46-789 | 1/4 Male x 1/4 Female | Panel Mntg. | 0.281 | 60.37 |

MIP X MIP ANGLE

| Part # | Pipe Thread Inlet Outlet | Style | Maximum Orifice | List Price |
|--------|-----------------------------|---------|--------------------|---------------|
| 46-792 | 1/8 Male x 1/8 Male | Regular | 0.188 | 41.57 |
| 46-793 | 1/8 Male x 1/8 Male | Panel | 0.188 | 54.00 |
| 46-794 | 1/4 Male x 1/4 Male | Regular | 0.281 | 44.60 |
| 46-795 | 1/4 Male x 1/4 Male | Panel | 0.281 | 57.03 |

FIP X FIP ANGLE

| Part # | Pipe Thread Inlet Outlet | Style | Maximum Orifice | List Price |
|--------|-----------------------------|---------|--------------------|---------------|
| 46-798 | 1/8 Female x 1/8 Female | Regular | 0.188 | 49.88 |
| 46-799 | 1/8 Female x 1/8 Female | Panel | 0.188 | 59.21 |
| 46-800 | 1/4 Female x 1/8 Female | Regular | 0.281 | 51.13 |
| 46-801 | 1/4 Female x 1/4 Female | Panel | 0.281 | 60.37 |

SPECIAL VERSIONS

Many special versions of these valves have been produced for other services. If your application is not described here or covered by our recommendations, please contact us. It is quite possible that one of these valve types can be economically adapted to your requirements.

REASON THREE NOT TO MESS WITH A CHILD.

The children had all been photographed, and the teacher was trying to persuade them each to buy a copy of the group picture.

"Just think how nice it will be to look at it when you are all grown up and say, 'There's Jennifer, she's a lawyer,' or 'That's Michael, He's a doctor.'

A small voice at the back of the room rang out, "And there's the teacher, She's dead. "

