

Mini Needle Valves

Features

- Available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protect from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material

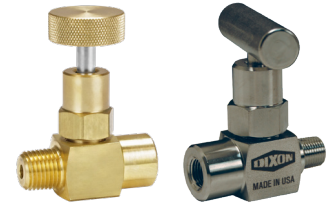
- Stems: 316 stainless steel

Specifications

- Metal-to-metal hard seat design is 100% helium leak tested to 1×10^{-4} ml/s at **200 PSI**
- 1/8" and 1/4" are orifice size: 0.172", flow coefficient: 0.42
- 1/2": orifice size are 0.187", flow coefficient: 0.44, hex body

Male to Female

NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	6,000	MFB101	T design	10,000	MFC101	MFS101
1/4" - 18			MFB102			MFC102	MFS102
1/2" - 14	---	---	---			MFC404	MFS404



Female to Female

NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	6,000	FFB101	T design	10,000	FFC101	FFS101
1/4" - 18			FFB102			FFC102	FFS102
1/2" - 14	---	---	---			FFC404	FFS404



Multiport Needle Valves

Features

- Reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material

- Stems: 316 stainless steel

Specifications

- Metal-to-metal hard seat design is 100% helium leak tested to 1×10^{-4} ml/s at **200 PSI**
- 1/2" female NPT port
- Orifice size is 0.187", flow coefficient: 0.44

Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" - 14	T design	10,000	MFC204	MFS204
3/4" - 14			MFC20604	MFS20604

Soft Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" - 14	T design	6,000	MFC304	MFS304
3/4" - 14			MFC30604	MFS30604

