Block and Bleed Needle Valves

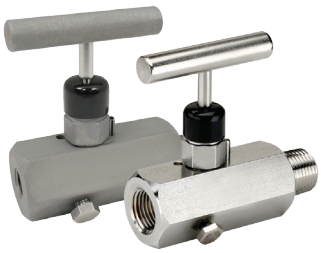
Application
- Allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments

Features
- 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
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

Material
- Stems: 316 stainless steel

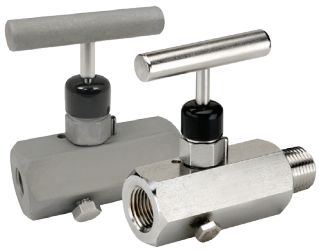
Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Orifice size is 0.187", flow coefficient: 0.44

Hard Seat Male to Female



NPT Size	Handle Style	PSI @ 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**10000**	MFC602	MFS602
1/2" - 14			MFC604	MFS604

Soft Seat Male to Female



NPT Size	Handle Style	PSI @ 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**6000**	MFC702	MFS702
1/2" - 14			MFC704	MFS704

Bleed Needle Valves

Application
- Convenient way to relieve process pressures trapped between a shut-off valve and the instrument

Features
- 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
- 0.159" bleed port

Materials
- Non-rotating soft tip stem and a backup metal-to-metal seal
- Stems: 316 stainless steel

Specification
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**

Hard Seat Male

316 stainless

NPT Size	Handle Style	PSI @ 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**10000**	MC802	MS802
1/2" - 14			MC804	MS804

Soft Tip Male

316 stainless

NPT Size	Handle Style	PSI @ 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**6000**	MC852	MS852
1/2" - 14			MC854	MS854

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