# **Block and Bleed Needle Valves**

#### Features:

- allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments
- 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
- 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
- all stems are 316 stainless steel
- + 0.090" bleed hole located on bottom is controlled by a  $\ensuremath{^{\prime\prime}}\xspace^{-20}$  UNF-2A bleed screw

#### NPT Handle PSI Zinc Nickel Plated Steel 316 Stainless Steel at 200°F (94°C) Part # Part # Size Style 1⁄4" - 18 T design 10000 **MFC602 MFS602** 1⁄2" - 14 T design 10000 **MFC604 MFS604**

## Soft Seat Male to Female

Hard Seat Male to Female

NPT	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F (94°C)	Part #	Part #
1⁄4" - 18	T design	6000	MFC702	MFS702
1⁄2" - 14	T design	6000	MFC704	MFS704



## Features:

- convenient way to relieve process pressures trapped between a shut-off valve and the instrument
- 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
- metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at 200 PSI
- non-rotating soft tip stem and a backup metal-to-metal seal

PSI

at 200°F

(94°C)

6000

6000

all stems are 316 stainless steel

Handle

Style

T design

T design

• 0.159" bleed port

## Hard Seat Male

Soft Tip Male

316 Stainless Steel

Part #

MS852

MS854

Zinc Nickel Plated Steel

Part #

MC852

MC854

NPT	Handle	PSI	Zinc Nickel Plated Steel	316 Stainless Steel
Size	Style	at 200°F (94°C)	Part #	Part #
1⁄4" - 18	T design	10000	MC802	MS802
1⁄2" - 14	T design	10000	MC804	MS804

316 stainless



NPT

Size

1⁄4" - 18

1⁄2" - 14

