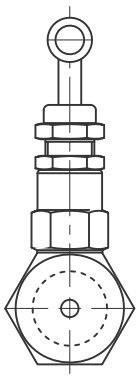
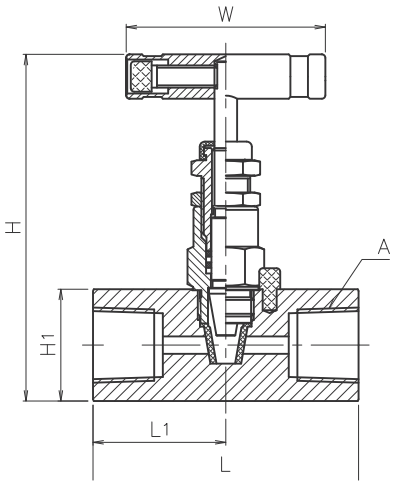
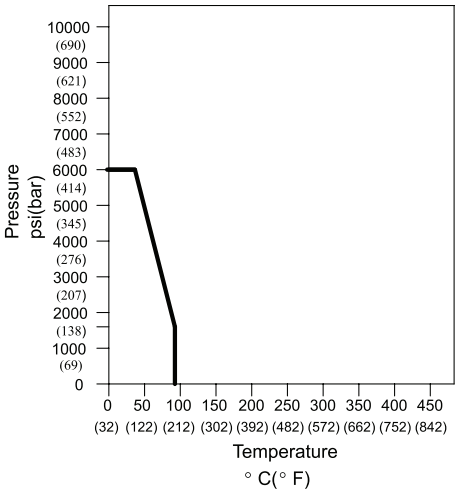
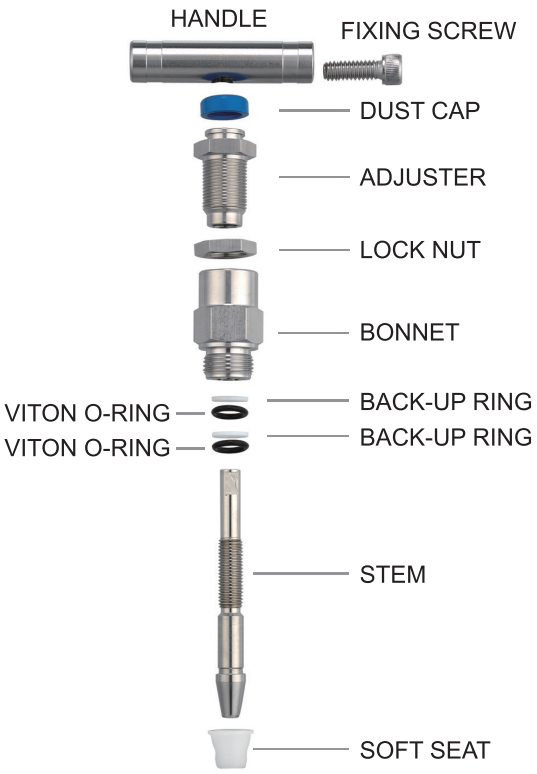
FxF 6000 NEEDLE VALVE







MATERIAL OF CONSTRUCTION



FEATURES

- Maximum working pressure: 6000 psi (414bar) at 100°F (38°C)
- Working temperature: Delrin® Seat: -20°F (-28°C) to 200°F (93°C)
- Straight-through design provides high capacity with bidirectional flow and is roddable for easy cleaning.
- Viton 0-Rings can be adjusted to extend the valve life.
- Stem threads are rolled and lubricated to prevent galling and reduce operating torque.
- Sealing area below the threads protects from the contaminant by process and prevents lubricant washout.
- Safety back seating seal in fully open position to perform a secondary stem seal.
- Bonnet lock pin prevents accidental removal while in service.
- Optional sour gas service conforms to NACE MR0175.
- Hydro test performed with pure water at 1.5 times of working pressure
- 100% factory test
- Material traceability

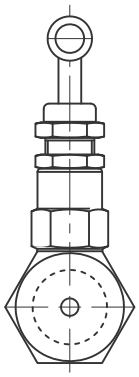
Dimensions

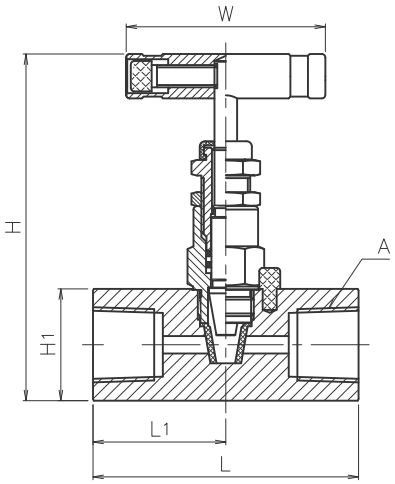
Size	Ends	L	L1	H	H1	Bore	W
1/4" NPT	FXF	2.95	1.48	3.86	1.26	.19	2.24
3/8" NPT	FXF	2.95	1.48	3.86	1.26	.19	2.24
1/2" NPT	FXF	2.95	1.48	3.86	1.26	.19	2.24
3/4" NPT	FXF	2.95	1.48	3.86	1.26	.19	2.24
1" NPT	FXF	3.35	1.67	4.41	1.61	.28	2.24

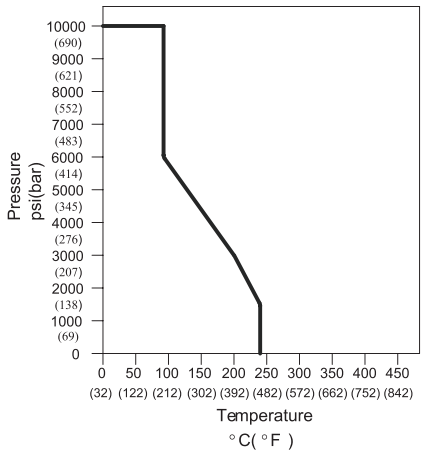
Component	Valve Body Material	
	316L S.S.	Carbon Steel
Body	316L S.S./A479	Carbon Steel/A108
Bonnet	316L S.S./A479	Carbon Steel/A108
Stem	316L S.S./A276	304 S.S./A276
Adjuster	316L S.S./A276	Carbon Steel/A108
Lock Nut	316L S.S./A276	Carbon Steel /A108
Handle	303 S.S./A276	Carbon Steel/A108
Fixing Screw	302 S.S.	Zinc plated steel
Back-up Ring	PTFE	PTFE
O-Ring	Viton®	Viton®
Dust Cap	NBR	NBR
Lock Pin	303 S.S./A276	303 S.S./A276
Seat	Delrin®	Delrin®

*ALL DIMENSIONS ARE EXPRE S SED IN INCHES

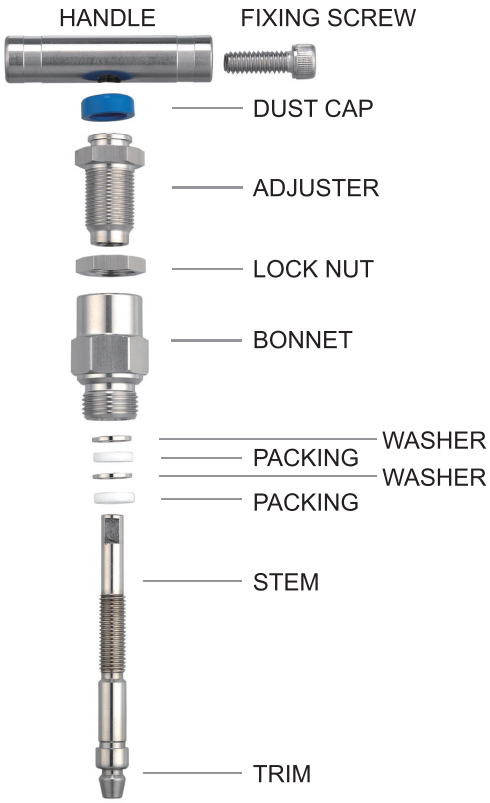
FxF 10000 NEEDLE VALVE







MATERIAL OF CONSTRUCTION



FEATURES

- Maximum working pressure: 10000 psi (690bar) at 100°F (38°C)
- Working temperature: -65°F (-54°C) to 464°F (240°C)
- PTFE packings can be adjusted to extend the valve life.
- Non rotating stem design to reduce the galling and provide excellent seal on seat.
- Stem threads are rolled and lubricated to prevent galling and reduce operating torque.
- Sealing area below the threads protects from the contaminant by process and prevents lubricant washout.
- Safety back seating seal in fully open position to perform a secondary stem seal.
- Body to bonnet seal creates metal to metal constant and reliable compression.
- Bonnet lock pin prevents accidental removal while in service.
- Optional sour gas service conforms to NACE MR0175.
- Hydro test performed with pure water at 1.5 times of working pressure
- 100% factory test
- Material traceability

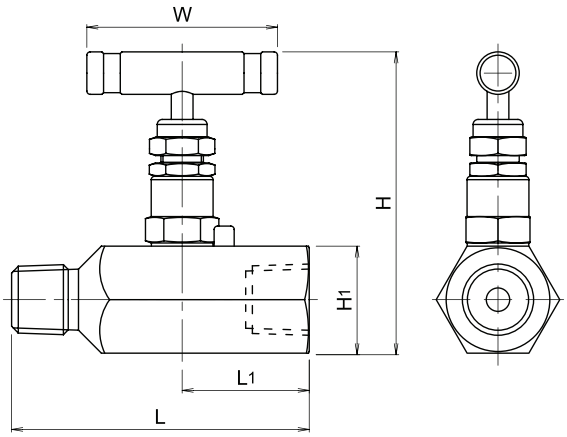
Dimensions

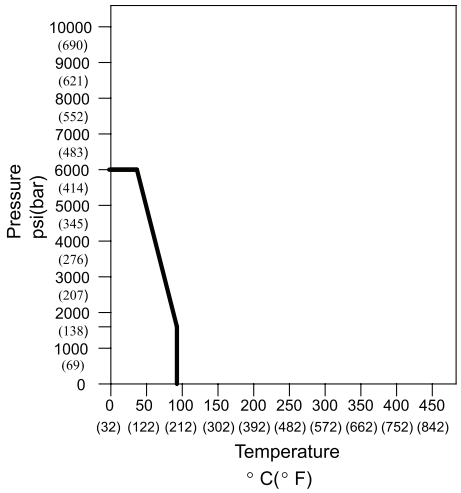
Size	Ends	L	L1	H	H1	Bore	W
1/4" NPT	FXF	2.95	1.48	3.86	1.26	.24	2.24
1/2" NPT	FXF	2.95	1.48	3.86	1.26	.24	2.24
3/4" NPT	FXF	2.95	1.48	3.86	1.26	.24	2.24
1" NPT	FXF	3.35	1.67	4.41	1.61	.31	2.24

Component	Valve Body Material	
	316L S.S.	Carbon Steel
Body	316L S.S./A479	Carbon Steel /A108
Bonnet	316L S.S./A479	Carbon Steel /A108
Stem	316L S.S./A276	304 S.S./A276
Adjuster	316L S.S./A276	Carbon Steel /A108
Lock Nut	316L S.S./A276	Carbon Steel /A108
Handle	303 S.S./A276	Carbon Steel /A108
Fixing Screw	302 S.S.	Zinc plated steel
Packing	PTFE	PTFE
Washer	316 S.S./A276	316 S.S./A276
Dust Cap	NBR	NBR
Lock Pin	303 S.S./A276	303 S.S./A276
Bleed Screw	316 S.S./A276	316 S.S./A276

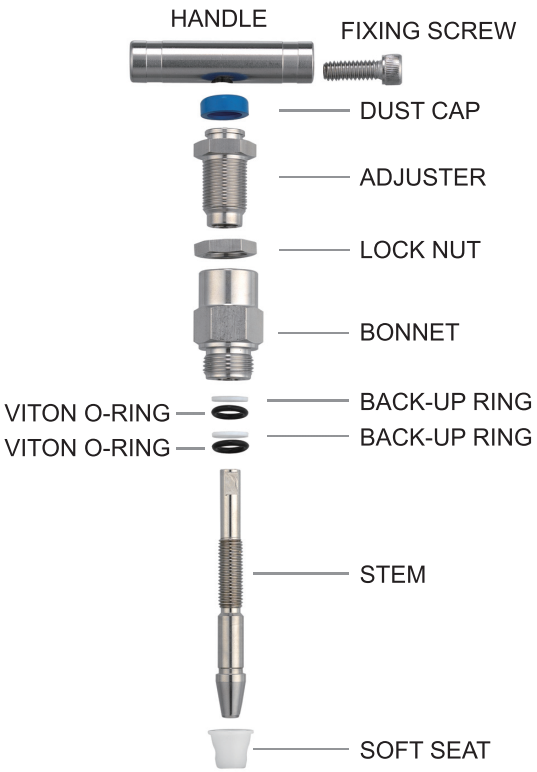
*ALL DIMENSIONS ARE EXPRESSED IN INCHES

MxF 6000 NEEDLE VALVE





MATERIAL OF CONSTRUCTION



FEATURES

- Maximum working pressure: 6000 psi (414bar) at 100°F (38°C)
- Working temperature: Delrin® Seat: -20°F (-28°C) to 200°F (93°C)
- Straight-through design provides high capacity with bidirectional flow and is roddable for easy cleaning.
- Viton 0-Rings can be adjusted to extend the valve life.
- Stem threads are rolled and lubricated to prevent galling and reduce operating torque.
- Sealing area below the threads protects from the contaminant by process and prevents lubricant washout.
- Safety back seating seal in fully open position to perform a secondary stem seal.
- Bonnet lock pin prevents accidental removal while in service.
- Optional sour gas service conforms to NACE MR0175.
- Hydro test performed with pure water at 1.5 times of working pressure
- 100% factory test
- Material traceability

Dimensions

Size	Ends	L	L1	H	H1	Bore	W
1/4" NPT	MXF	3.23	1.38	3.86	1.26	.19	2.24
3/8" NPT	MXF	3.23	1.38	3.86	1.26	.19	2.24
1/2" NPT	MXF	3.23	1.38	3.86	1.26	.19	2.24
3/4" NPT	MXF	3.23	1.38	3.86	1.26	.19	2.24
1" NPT	MXF	3.24	1.61	4.41	1.61	.28	2.24

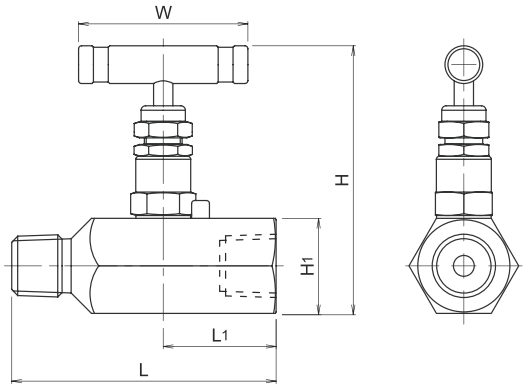
*ALL DIMENSIONS ARE EXPRESSED IN INCHES

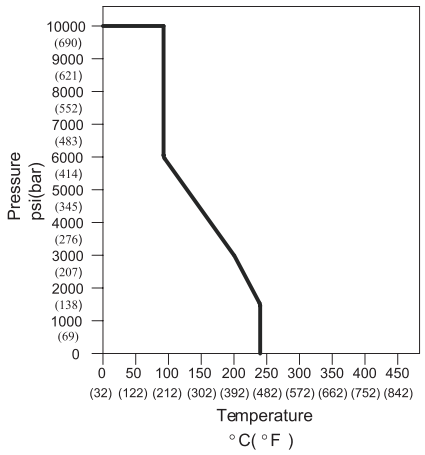
Component	Valve Body Material	
	316L S.S.	Carbon Steel
Body	316L S.S./A479	Carbon Steel/A108
Bonnet	316L S.S./A479	Carbon Steel/A108
Stem	316L S.S./A276	304 S.S./A276
Adjuster	316L S.S./A276	Carbon Steel/A108
Lock Nut	316L S.S./A276	Carbon Steel /A108
Handle	303 S.S./A276	Carbon Steel/A108
Fixing Screw	302 S.S.	Zinc plated steel
Back-up Ring	PTFE	PTFE
O-Ring	Viton®	Viton®
Dust Cap	NBR	NBR
Lock Pin	303 S.S./A276	303 S.S./A276
Seat	Delrin®	Delrin®

NOTE: Optional with bleed screw

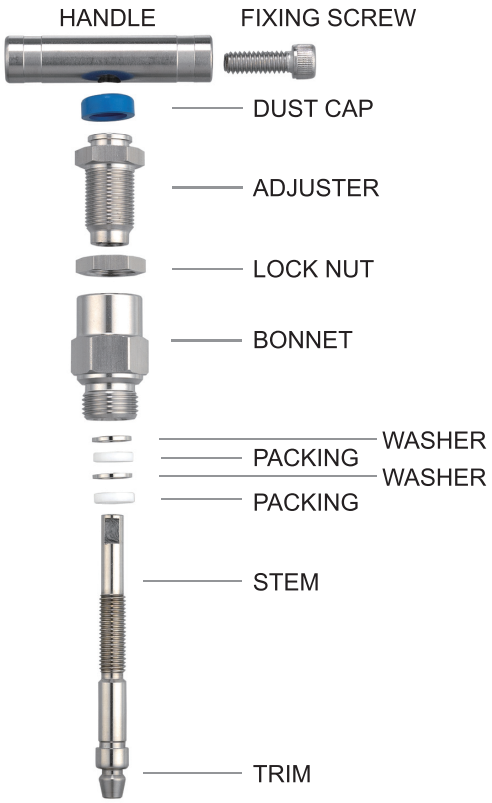
+52(81)1646-9090 (main) www.dlineproducts.com

MxF 10000 NEEDLE VALVE





MATERIAL OF CONSTRUCTION



FEATURES

- Maximum working pressure: 10000 psi (690bar) at 100°F (38°C)
- Working temperature: -65°F (-54°C) to 464°F (240°C)
- PTFE packings can be adjusted to extend the valve life.
- Non rotating stem design to reduce the galling and provide excellent seal on seat.
- Stem threads are rolled and lubricated to prevent galling and reduce operating torque.
- Sealing area below the threads protects from the contaminant by process and prevents lubricant washout.
- Safety back seating seal in fully open position to perform a secondary stem seal.
- Body to bonnet seal creates metal to metal constant and reliable compression.
- Bonnet lock pin prevents accidental removal while in service.
- Optional sour gas service conforms to NACE MR0175.
- Hydro test performed with pure water at 1.5 times of working pressure
- 100% factory test
- Material traceability

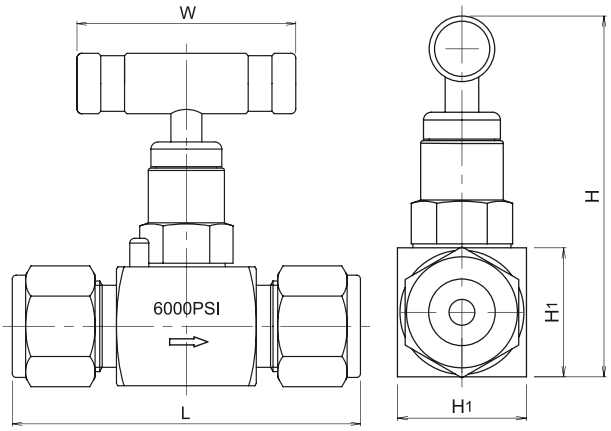
Dimensions

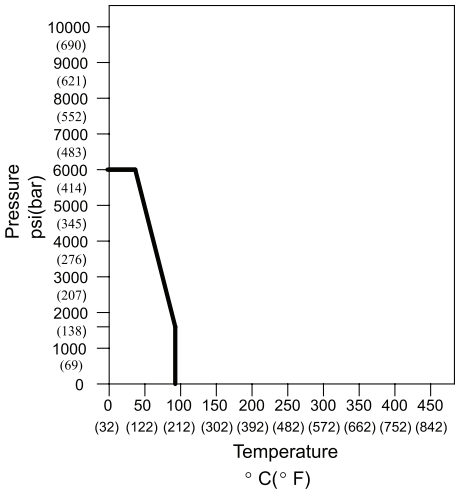
Size	Ends	L	L1	H	H1	Bore	W
1/4" NPT	MXF	3.23	1.38	3.86	1.26	.24	2.24
1/2" NPT	MXF	3.23	1.38	3.86	1.26	.24	2.24
3/4" NPT	MXF	3.23	1.38	3.86	1.26	.24	2.24
1" NPT	MXF	3.24	1.61	4.41	1.61	.31	2.24

Component	Valve Body Material	
	316L S.S.	Carbon Steel
Body	316L S.S./A479	Carbon Steel /A108
Bonnet	316L S.S./A479	Carbon Steel /A108
Stem	316L S.S./A276	304 S.S./A276
Adjuster	316L S.S./A276	Carbon Steel /A108
Lock Nut	316L S.S./A276	Carbon Steel /A108
Handle	303 S.S./A276	Carbon Steel /A108
Fixing Screw	302 S.S.	Zinc plated steel
Packing	PTFE	PTFE
Washer	316 S.S./A276	316 S.S./A276
Dust Cap	NBR	NBR
Lock Pin	303 S.S./A276	303 S.S./A276
Bleed Screw	316 S.S./A276	316 S.S./A276

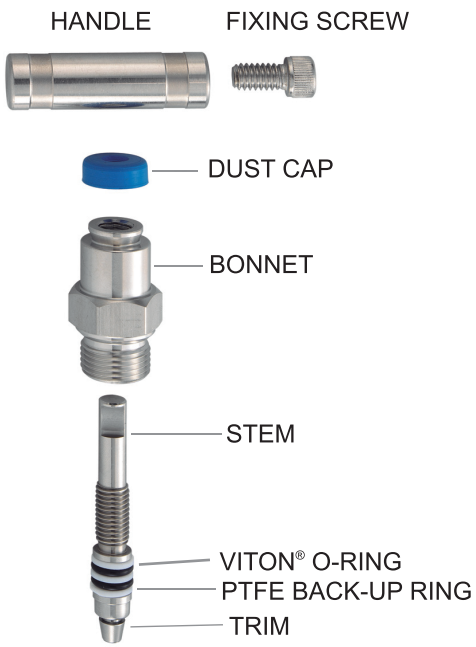
*ALL DIMENSIONS ARE EXPRESSED IN INCHES

ODx OD 6000 NEEDLE VALVE





MATERIAL OF CONSTRUCTION



FEATURES

- Maximum working pressure: 6000 psi (414bar) at 100°F (38°C)
- Working temperature: -22°F (-30°C) to 392°F (200°C)
- Compact design provides economical and long service life.
- Non rotating stem design to reduce the galling and pro-vide excellent seal on seat.
- Stem threads are rolled and lubricated to prevent galling and reduce operating troque.
- Sealing are below the threads protects from the contaminant by process and prevents lubricant washout.
- Safety back seating seal in fully open position to perform a secondary stem seal.
- Body to bonnet seal is metal to metal in constant compression, creating a reliable seal point to eliminate possible tensile breakage of bonnet and isolate bonnet threads from process fluid corrosion.
- Bonnet lock pin prevents accidental removal while in service.
- Hydro test performed with pure water at 1.5 times of working pressure
- 100% factory test
- Material traceability
- Sour gas service conforms to NACE MR0175

Dimensions

End Connection		Orifice (bore)	Dimensions (mm)			
Inlet	Outlet		L	H	H1	W
1/4” O.D.	1/4” O.D.	.13	2.56	1.81	.75	1.81
3/8” O.D.	3/8” O.D.	.18	2.68	2.24	1.00	2.24
1/2” O.D.	1/2” O.D.	.19	2.88	2.24	1.00	2.24

Component	Valve Body Material	
	316L S.S.	Carbon Steel
Body	316L S.S./A479	Carbon Steel/A108
Bonnet	316L S.S./A479	Carbon Steel/A108
Stem	316L S.S./A276	304 S.S./A276
Handle	303 S.S./A276	Carbon Steel/A108
Fixing Screw	302 S.S./A276	Zinc plated steel
Lock Pin	303 S.S./A276	303 S.S./A276
O-Ring	PTFE	PTFE
Back-Up Ring	Teflon®	Teflon®
Dust Cap	NBR	NBR

Optional with panel mountable
Viton® Delrin® are all registered trademarks of Dupont.

*ALL DIMENSIONS ARE EXPRESSED IN INCHES