

Mini Valves

MNV Series

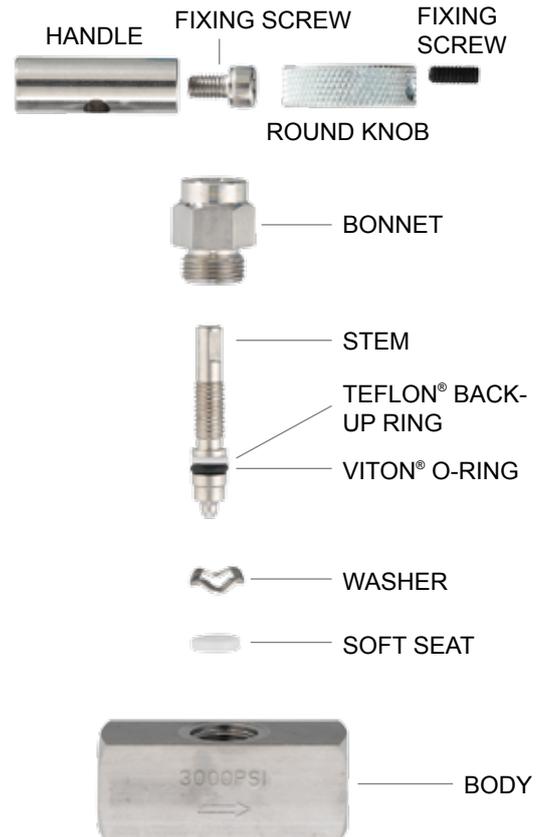
MSNV Series



Features

- Maximum working pressure:
3000 psi (207bar) at 100°F (38°C)
- Working temperature:
-22°F (-30°C) to 392°F (200°C)
- Mini valves facilitate safe, compact and economical installations.
- Valve seating is interchangeable between “Hard” or “Soft” without changing the bonnet assembly. When soft seat becomes damaged, it can be removed and leave a metal seated valve to extend service life.
- Orings below threads prevents lubricant washout, thread corrosion and keep thread from process contamination.
- Chrome plating of 316 SS stem on 316 SS valve to reduce galling or freezing of stem threads when similar metals mate. Carbon steel valves use 316 SS stem.
- Hydro test performed with pure water at 1.5 times of working pressure
- 100% factory test
- Material traceability

Material of Construction

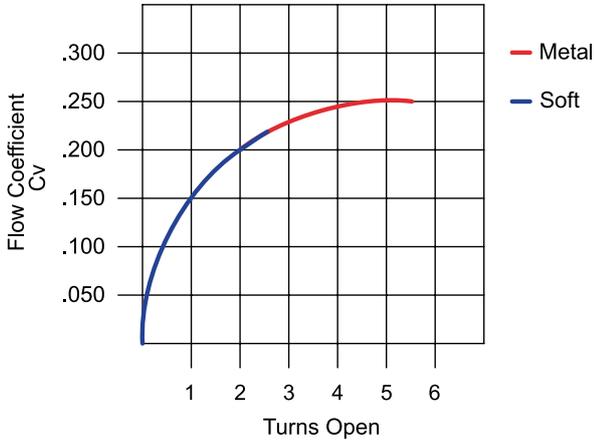


Component	Valve Body Material	
	316 S.S.	Carbon Steel
Body	316 S.S./A479	Carbon Steel/A108
Bonnet	316 S.S./A479	Carbon Steel/A108
Stem	316 S.S./A276	316 S.S./A276
Handle	303 S.S./A276	Carbon Steel/A108
Fixing Screw	302 S.S./A276	Zinc plated steel
O-Ring	Viton [®]	Viton [®]
Back-Up Ring	Teflon [®]	Teflon [®]
Washer	316 S.S./A479	316 S.S./A479
Soft Seat	Delrin [®]	Delrin [®]

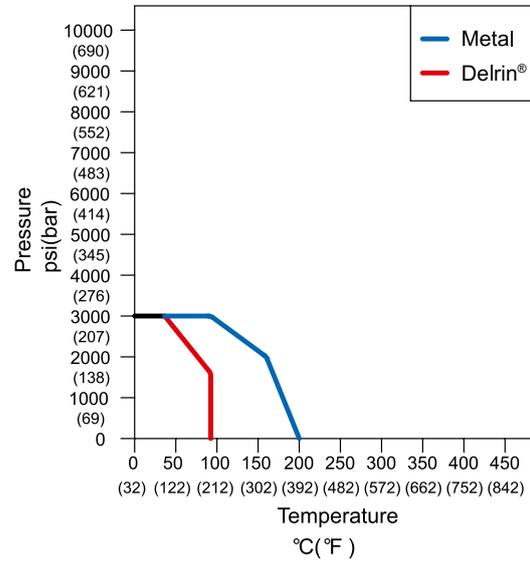
Note:

1. Hard seat valves installed with 303 SS Tee handles.
2. Soft seat valves with CS round handle.

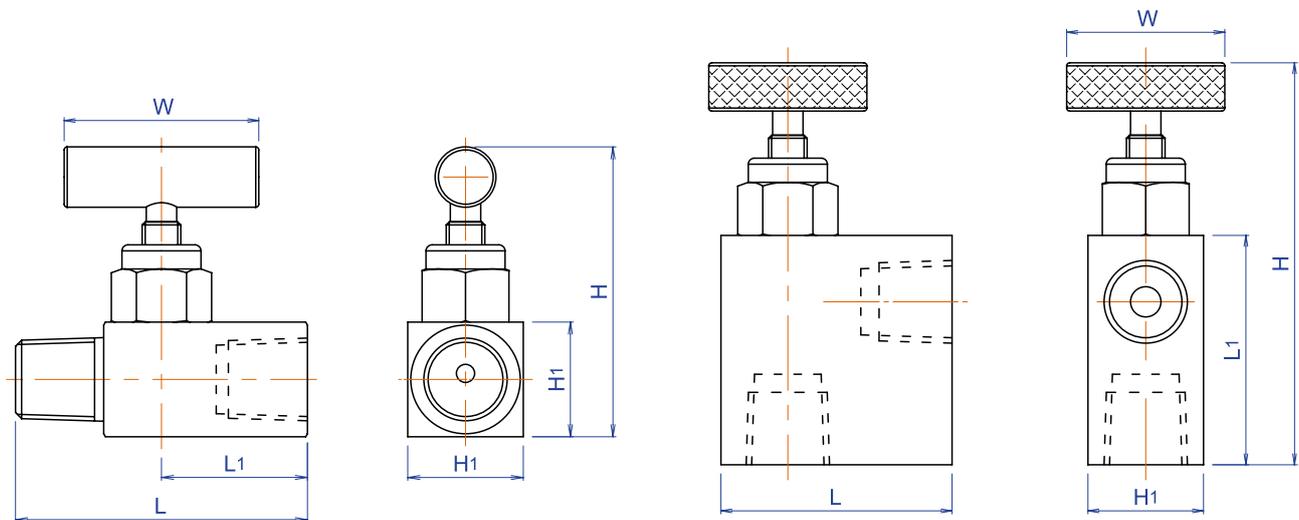
Flow Characteristics



Pressure Vs. Temperature



Dimensions



Ordering No.	End Connection		Orifice (bore)	Dimensions (mm)				
	Inlet	Outlet		L	L1	H	H1	W
MNV□4MF	1/4"NPT male	1/4"NPT female	3	48	24	48.5	19	32
MNV□4FF	1/4"NPT male	1/4"NPT female		48	24	48.5	19	32
MNV□4FF90	1/4"NPT female	1/4"NPT female		38	38	66.5	19	32
MSNV□4MF	1/4"NPT male	1/4"NPT female		48	24	47.5	19	26
MSNV□4FF	1/4"NPT female	1/4"NPT female		48	24	47.5	19	26
MSNV□4FF90	1/4"NPT female	1/4"NPT female		38	38	66.5	19	26

All dimensions shown are for reference and subject to change without prior notice.

Sizes listed are standard. Other sizes and end types are available upon request. Refer to ordering information.

Standard Material

Valve	Body	Bonnet	Stem	Packing	Seat
316 SS	316-A479	316-A479	Chrome Plating316-A276	Viton [®]	Delrin [®]
Carbon Steel	A108	A108	316-A276	Viton [®]	Delrin [®]

Ordering Information

MNV		S		4		MF			
Series		Body Material		Size		End Connection		Optional	
MNV	Hard Seat	S	316 S.S.	2	1/8"	M	Male	90	Angle pattern
MSNV	Soft Seat	C	Carbon Steel	4	1/4"	F	Female		

Note:

1. Viton[®], Teflon[®] and Delrin[®] are all registered trademarks of DuPont. Refer to chemical resistance guide and choose suitable elastomer for your application.
2. Carbon steel valves are yellow zinc plated to resist corrosion.