

Extended Instrument Valve



FEATURES

- Non-rotating spindle tip
- Bonnet locking pins
- Safety back seating T-bar
- Flow coefficient $C_v = 0.23$

APPLICATIONS

- Can be used for shutting off impulse lines or for isolation of pressure instruments
- Specifically designed to mount on flush rings and flush flanges

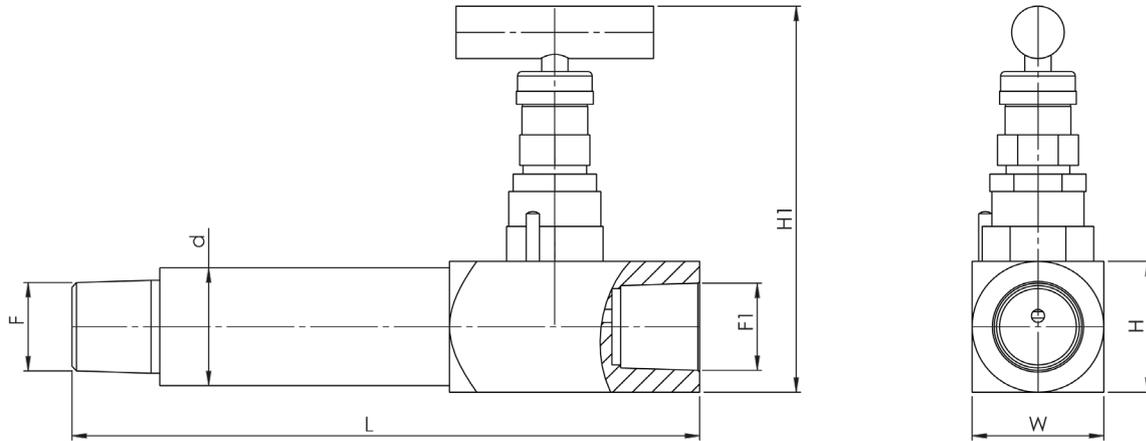
STANDARD PARAMETERS

Maximum pressure	413 bar (6000 psi) at 38°C
Maximum temperature	240 °C
Process connection	1/2" NPT (M)
Instrument connection	1/2" NPT (F)

MATERIAL SPECIFICATIONS

Body	AISI 316L
Bonnet	AISI 316L
Spindle Gasket	Virgin PTFE

DIMENSIONAL DRAWING



F	F1	L	H	H1 min	H1 max	W	d
1/4" NPT (F)	1/4" NPT (F)	143	30	95	98	30	Ø18
1/4" NPT (M)	1/4" NPT (F)	143	30	95	98	30	Ø18
1/4" NPT (M)	1/4" NPT (M)	143	30	95	98	30	Ø18
1/4" BSP (F)	1/4" BSP (F)	143	30	95	98	30	Ø20
1/4" BSP (M)	1/4" BSP (F)	143	30	95	98	30	Ø18
1/4" BSP (M)	1/4" BSP (M)	143	30	95	98	30	Ø18
3/8" NPT (F)	3/8" NPT (F)	143	30	95	98	30	Ø24
3/8" NPT (M)	3/8" NPT (F)	143	30	95	98	30	Ø24
3/8" NPT (M)	3/8" NPT (M)	143	30	95	98	30	Ø24
3/8" BSP (F)	3/8" BSP (F)	143	30	95	98	30	Ø23
3/8" BSP (M)	3/8" BSP (F)	143	30	95	98	30	Ø22
3/8" BSP (M)	3/8" BSP (M)	143	30	95	98	30	Ø22
1/2" NPT (F)	1/2" NPT (F)	143	30	95	98	30	Ø28
1/2" NPT (M)	1/2" NPT (F)	143	30	95	98	30	Ø24
1/2" NPT (M)	1/2" NPT (M)	143	30	95	98	30	Ø24
1/2" BSP (F)	1/2" BSP (F)	143	30	95	98	30	Ø28
1/2" BSP (M)	1/2" BSP (F)	143	30	95	98	30	Ø26
1/2" BSP (M)	1/2" BSP (M)	143	30	95	98	30	Ø26
Butt weld	1/2" NPT (F)	147	30	95	98	30	Ø28
Butt weld	1/2" BSP (F)	147	30	95	98	30	Ø28
Butt weld	1/2" NPT (F)	147	30	95	98	30	Ø28
Butt weld	1/2" BSP (F)	147	30	95	98	30	Ø28
Swivel	1/2" NPT (F)	143	30	95	98	30	Ø29
Swivel	1/2" BSP (F)	143	30	95	98	30	Ø29
Socket weld	1/2" NPT (F)	157	30	95	98	30	Ø30
Socket weld	1/2" BSP (F)	157	30	95	98	30	Ø30
Tube fitting	1/2" NPT (F)	143	30	95	98	30	Ø18
Tube fitting	1/2" BSP (F)	143	30	95	98	30	Ø18

All dimensions are in mm.

ORDERING CODES

1. STEM MATERIAL		MG	5. INSTRUMENT CONNECTION		02N
MG	AISI 316L		12N	1/4" NPT (M)	
MI	AISI 321		13N	3/8" NPT (M)	
MM	Monel		14N	1/2" NPT (M)	
MO	Hastelloy C-276		12B	1/4" BSP (M)	
MD	Super Duplex		13B	3/8" BSP (M)	
MR	Inconel 625		14B	1/2" BSP (M)	
MV	Titanium		02N	1/4" NPT (F)	
			03N	3/8" NPT (F)	
			04N	1/2" NPT (F)	
			02B	1/4" BSP (F)	
			03B	3/8" BSP (F)	
			04B	1/2" BSP (F)	
			BW	Butt weld	
			SW	Swivel	
			SO	Socket weld	
			FI	Tube fitting	
2. TIP MATERIAL		MR	6. PROCESS CONNECTION		12N
MG	AISI 316L		12N	1/4" NPT (M)	
MI	AISI 321		13N	3/8" NPT (M)	
MM	Monel		14N	1/2" NPT (M)	
MO	Hastelloy C-276		12B	1/4" BSP (M)	
MD	Super Duplex		13B	3/8" BSP (M)	
MR	Inconel 625		14B	1/2" BSP (M)	
MV	Titanium		02N	1/4" NPT (F)	
			03N	3/8" NPT (F)	
			04N	1/2" NPT (F)	
			02B	1/4" BSP (F)	
			03B	3/8" BSP (F)	
			04B	1/2" BSP (F)	
			BW	Butt weld	
			SW	Swivel	
			SO	Socket weld	
			FI	Tube fitting	
3. BODY MATERIAL		MI	7. OTHER OPTIONS		TO
MG	AISI 316L		TO	Use for Oxygen service	
MI	AISI 321		TP	Max working pressure 10.000 psi	
MM	Monel				
MO	Hastelloy C-276				
MD	Super Duplex				
MR	Inconel 625				
MV	Titanium				
4. SPINDLE GASKET		ME			
ME	PTFE				
MA	Grafoil				

Ordering Example:
MT-M120NV-MG-MR-MI-ME-02N-12N-TO

NOTES

1. Other connections are available, please contact factory for details.
2. Valve stem dust covers shall be identified with color codes according to their function as ; Blue = ISOLATE