

# SSS PRESSURE MANIFOLDS

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We can build pressure test manifolds to suit client requirements



# UB Series

## General Information

### Heavy duty high pressure ball valve 10,000 psi rated

Also are aware of the ever increasing operating pressures demanded by industry, and for this reason have developed the "UB" range of valves to accommodate these stringent requirements. The UB series high pressure valve has a working pressure of 10,000 psi with a body test at (15,000 psi). The UB Series is a tried and tested rugged design for high pressure applications. It comes with panel mounting holes and stainless steel handle as standard. Service / repair kits are available to prolong service / field life. Many options available such as locking device.



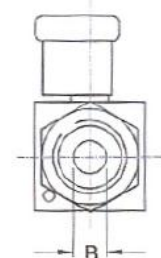
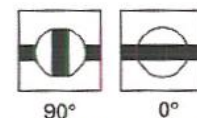
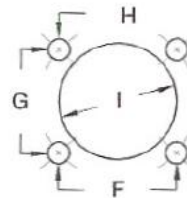
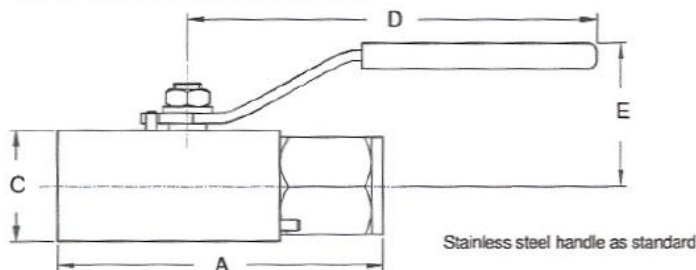
## Design Features

- 2 piece design for safety.
- Quick 90° operation, lever handle standard.
- Bi-directional floating ball design to ensure leak-proof shut-off on pressure or vacuum.
- Anti-blowout stem for safety.
- End pinned, stopping accidental removal or loosening by vibration.
- Available with 4-panel mounting holes M4 x 10 deep, can be actuated (if specified)
- Available in 316ss / Duplex / Monel.

- Temperature range -100°C to 230°C
- Available loose with socket weld or butt weld ends.
- Renewable seats and seals for long life.
- Repair kits available to prolong valve life.
- Floating ball design for first time seal.
- Available FULL bore or STANDARD bore.
- Full material traceability.
- Materials of construction can be supplied to meet the requirements of NACE MR-01-75.

VALVE SIZE	F	G	H	I
1/4"-1/2"	27	24	5	27

4 - off M4 x 10 Mounting Holes



## Part Numbers

St/St Part No.	Connections Size	A	B (Bore)	C	D	E	Cv	Kv	Weight (kgs)
	1/4" NPT	89	10	32	115	36	2.5	2.2	0.7
	3/8" NPT	92	10	32	115	36	3.0	2.6	0.7
	1/2" NPT	95	10	32	115	36	4.2	3.6	0.7
	3/4" NPT	110	13	38	140	40	7.8	6.7	1.0

For BSPT threads change 'N' to 'T' i.e. UB4TS  
 For BSPP version change 'N' to 'P' i.e. UB4PS  
 Note: check the international standards for pressure limitations of certain threads before you specify a thread form or end connection  
 Seat materials: 10,000psi = Peek® Seal materials: Body = PTFE - Stem = Peek

Dims are in mm (Approx)

See technical section for important additional valve data.

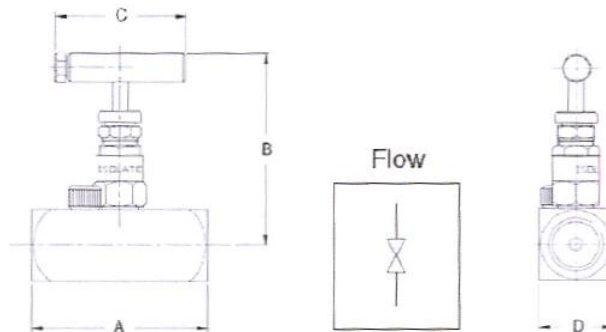
### Needle Valves 6,000 psi & 10,000 psi



The precision made 'N' series, single isolation hand valve utilising metal to metal seat and body to bonnet connection for superior, bubble tight sealing capabilities at both extreme pressures and temperatures. The "N" series also offers non-rotating hardened tip for extended service life. The unique anti-vibration cam locking device at the body bonnet connection is for extra safety. Working pressures are 6,000 psi and 10,000 psi. Maximum working temperature up to 230°C and up to 570°C with GP option.

Bubble tight metal to metal seat for positive shut off. | 2 piece non-rotating hardened (17-4PH) tip for first time seal and long service life. | Pressure responsive multi-ring / piston packing for compression and pressure dynamic sealing. | Metal to metal body bonnet seal for high pressure and high temperature sealing. | Unique bonnet locking cam. No accidental removal of head unit, or loosening due to vibration. | Positive no slack stem action. | Bi-directional flow, with preferred flow indicated. | Back sealing stem to extend packing life. | Available NPT, BSPP, BSPT threaded.

Temperature range -100°C to 230°C (570°C with GP option). | Repair / service kits available to extend field life further. | Actuating threads are above the packings to prevent contamination by the process medium. | Body to bonnet ingress seal fitted as standard to prevent crevice corrosion. | Full material traceability of major components. | Available fire safe to BS6755 Part 2. | Materials of construction can be supplied to meet the requirements of NACE MR-01-75.



P/N	Connections Size	Pressure Range	A	B (Open)	Orifice Size	C	D	CV	KV	Weight (Kgs)
VANN0036	1/4" NPT F*F	6000	61	73	5	50	26	0,3	0,26	0,4
VANN0049	1/4" NPT F*F	10000	61	73	5	50	26	0,3	0,26	0,4
VANN0050	1/4" NPT M*F	10000	61	73	5	50	26	0,3	0,26	0,4
VANN0051	3/8" NPT F*F	10000	61	73	5	50	26	0,75	0,65	0,4
VANN0052	3/8" NPT M*F	10000	61	73	5	50	26	0,75	0,65	0,4
VANN0053	1/2" NPT F*F	10000	68	75	5	50	28	0,75	0,65	0,45
VANN0044	1/2" NPT M*F	10000	68	75	5	50	28	0,75	0,65	0,45
VANN0054	3/4" NPT F*F	10000	76	77	5	50	38	0,75	0,65	0,8
VANN0055	3/4" NPT M*F	10000	76	77	5	50	38	0,75	0,65	0,8
VANN0056	1" NPT F*F	10000	85	85	8	50	45	1,8	1,6	1,25

**Item 1 /: BV 1/2" 10000 NPT F / 690 bars- 316L / Levier Inox**

BALL VALVE : "UB" Series 2 pièces, sphère flottante (floating ball)

Entrée / Inlet : 1/2" NPT Female ASME B1.20.1

Sortie / Outlet : 1/2" NPT Female ASME B1.20.1

Corps / Body : Inox 316 - Stainless steel 316

Trim :

Sphère & Tige / Ball & Stem: Inox 316 - stainless steel 316

Passage / Bore : 10mm (3/8")

Sièges & Joints / Seats & Seals : PEEK / PTFE / RTFE

Max Press.: 10,000psi (690bar)

Température / Temp Range : -40°C à 230°C

Montage sur Panneau / Panel Mount : 4 x M4 x 10mm - mounting holes

Manoeuvre / Handle : Levier Inox / Stainless steel lever handle

**Item 2 /: Vanne Pointeau 1/2" NPT F / F - 316L - 10000 Psi**

Entrée/Inlet: 1/2" NPT F - ASME B1.20.1

Sortie/Outlet: 1/2" NPT F - ASME B1.20.1

Corps/Body: Inox 316

Tige/Stem: Inox 316

Pointe/TIP: 17-4ph "hardened non-rotating self centered"

Joints/Packings: RTFE

Press. maxi: 10 000 PSI (690 bar)

Temp.: -40°C à 230°C

Manoeuvre par levier "T" en inox

(Operator/handle : St-Stl "T" Bar)

Port Gentil:

[juan.Guerrero@ois-group.com](mailto:juan.Guerrero@ois-group.com)

[olivier.vacher@ois-group.com](mailto:olivier.vacher@ois-group.com)

[bert.bouchard@ois-group.com](mailto:bert.bouchard@ois-group.com)

Pointe Noire:

[jean-pierre.lafont@ois-group.com](mailto:jean-pierre.lafont@ois-group.com)

[ignacio-guerrero@ois-group.com](mailto:ignacio-guerrero@ois-group.com)

[www.ois-group.com](http://www.ois-group.com)