

UB Series

General Information

Heavy duty high pressure ball valve 10,000 psi rated

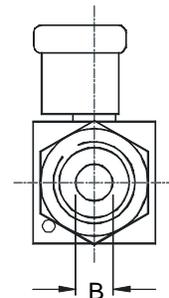
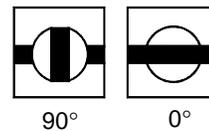
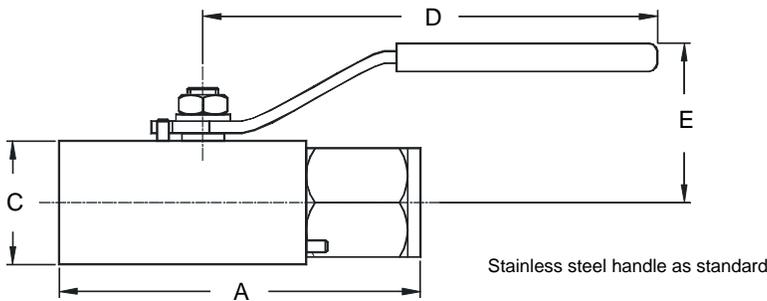
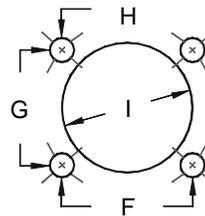


Alco are aware of the ever increasing operating pressures demanded by industry, and for this reason have developed the "UB" range of valves to accommodate these stringent requirements. The UB series high pressure valve has a working pressure of 10,000 psi with a body test at (15,000 psi). The UB Series 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.
- Pressure / Temperature rating -20°C to 250°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.
- 100% Hydrostatic testing.
- Materials of construction can be supplied to meet the requirements of NACE MR-01-75 latest revision.

| VALVE SIZE | F | G | H | I |
|--------------------------------|----|----|---|----|
| 1/4"-3/4" | 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) |
|----------------|------------------|-----|----------|----|-----|----|-----|-----|--------------|
| UB2NS | 1/4" NPT | 89 | 10 | 32 | 115 | 36 | 2.5 | 2.2 | 0.7 |
| UB3NS | 3/8" NPT | 92 | 10 | 32 | 115 | 36 | 3.0 | 2.6 | 0.7 |
| UB4NS | 1/2" NPT | 95 | 10 | 32 | 115 | 36 | 4.2 | 3.6 | 0.7 |
| UB6NS | 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

Dim's are in mm (Appx)

See technical section for important additional valve data.

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SECTION 3

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REV: 00