



# ***Flowserve Valbart Subsea Valves***

For Shallow and Deep Water Applications



***Experience In Motion***



## **Subsea Valves**

Flowserve Valbart Subsea Valves are designed for life, high reliability and are maintenance free.

### **Product range**

Subsea Valves for shallow and deep water applications

- Side Entry (Bolted or Welded Body) or Top Entry construction
- Sizes: 2" to 56"
- ANSI classes: up to 2500#
- API classes: up to 15000 psi
- Flanged / BW / HUB ended
- Soft & Metal Seated
- Diver/ROV/Hydraulic operated

### **Applications**

- SSIV Subsea Safety Isolation Valves for FPSO or platforms
- Dormant valves for future connection
- Subsea hot tapping
- Isolation valves for PLEM (Pipeline End Manifold) or PLET (End Terminal).
- Isolation valves for subsea modules
- Large Diameter manifold (PLEM)
- Inline Tee Assembly (ITA)
- Isolation valves for single buoy mooring loading or unloading systems

### **Features**

- Total reliability against Internal and External leaks
- Minimized Leak Paths
- Compatible with all qualified operators
- Validated design with proper testing and certification

### **Total reliability against internal and external leaks**

- Metal to Metal seats for non clean services:
  - HVOF Tungsten Carbide Coating
  - Ball and seats Mate – Lapped
- Elastomeric (HNBR or FKM) and Thermoplastic Seals (Lip-seals or Chevron) to prevent internal leakage
- Seals housing in Corrosion Resistant Alloy (CRA) clad or solid material to prevent external leakage for corrosive services



### ***Minimized leak paths***

- Top-Entry or Side Entry Welded Body or Two Piece Bolted Body designs to ensure minimized leak paths
- Vent and Drain (if present) permanently sealed after F.A.T.
- Duplex (22Cr-5Ni), Super-Duplex (25Cr-7Ni), Ni-Alloys (625 / 718) extensively used to prevent Sulphide / Chloride Stress Corrosion Cracking

### ***Compatibility with qualified operators***

Valbart valves are practically compatible with all qualified operators available in the market.

- Hydraulic Double Acting Actuator
- Hydraulic Spring Return Actuator
- Gearboxes Diver or ROV operated

### ***Proper testing***

- Valbart Subsea Valves are duly tested and validated in the hyperbaric chamber to ensure complete compliance in safety and functionality
- Valbart holds API 6DSS certification and is authorized to use the official API monogram under API Spec Q1 for all of its subsea valves.



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