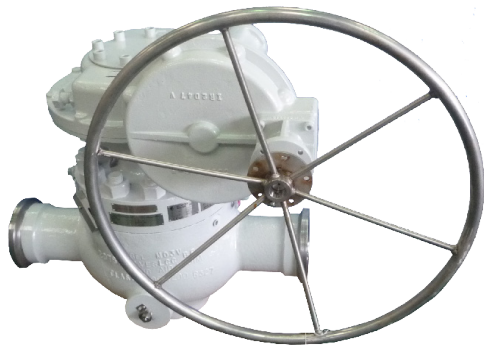




Double Isolation Ball Valves

Surface Ball Valve Eccentric Ball (E-Ball)



The untreated production stream from hydrocarbon wells contains sand, scale, water and often, corrosive compounds like hydrogen sulphide and carbon dioxide. These, together with the mixture of oil and gas flowing under high pressures, exert severe wear on the seat to ball interfaces of the downstream valves. The Eccentric-Ball Valve is a patented single valve that provides excellent performance in these erosive conditions and provides full double block and bleed functionality in a single valve.

SPECIFICATION

| | |
|------------------|---|
| Pressure Rating | To 6,235 psi |
| Water Depths | -100°C to + 190°C |
| Bore Sizes | 2" to 20" |
| Material Options | Carbon & low alloy steels, stainless steels, low temperature carbon steel, duplex, super duplex, Inconel (as standard for seat rings) |
| Actuation | Hydraulic, Pneumatic (double & spring return), Electric, Manual, Lever, Gearbox and ROV |
| Standards | API 6A, API 6D, API 6DSS, API 17D ISO 10423, ISO 13628, ISO 14313 |

OPERATIONAL BENEFITS

- Compact
- Bi directional sealing
- Fire safe
- Self cleaning valve cavity
- Simultaneous sealing on up and downstream seats
- Gas tight, Tungsten Carbide coated, metal to metal sealing
- Single valve for double isolation

CONFIGURATIONS

- Top entry design
- Clad, partial or unclad
- Full or reduced bore
- Trunnion mounted
- Flanged, buttweld, compact flange or other proprietary connections

OPTIONAL FEATURES

- Material options
- Mechanical lock close

APPLICATIONS INCLUDE

- High flow
- Severe service
- Abrasive flow
- Corrosive environments
- Oil or gas
- Emergency shut down (ESD)
- Double block & bleed
- High and low temperature



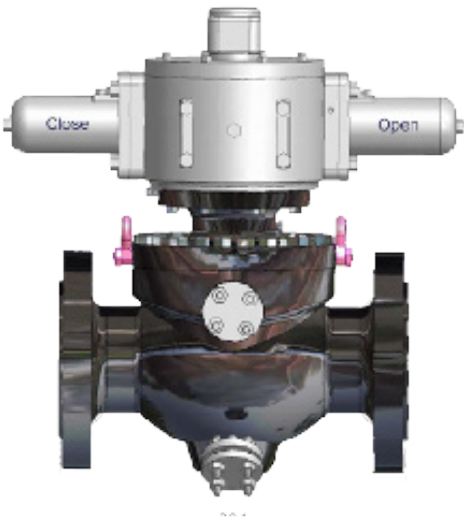
ENGINEERING EXCELLENCE

MANUFACTURING EXPERTISE

PROJECT DELIVERY

FLEXIBILITY OF APPROACH

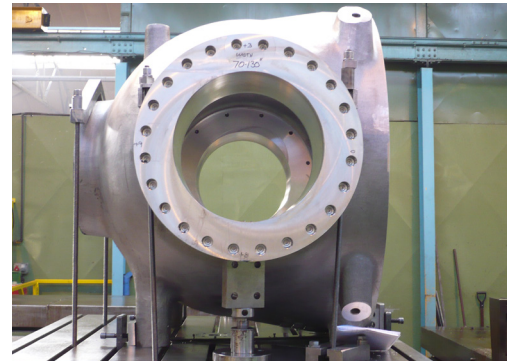
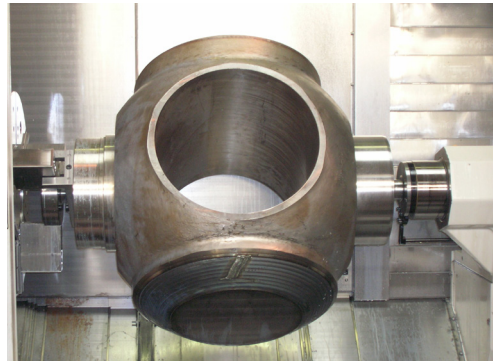
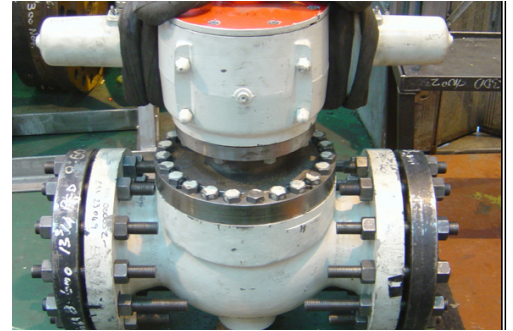
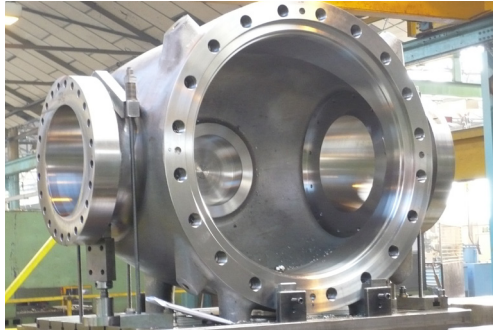
CONFIDENCE



BEL Valves are leaders in the design and manufacture of critical subsea and surface valves, actuators and controls for the oil and gas industry worldwide.

Specific design and engineering focus is placed on high pressure and high integrity applications to ensure the delivery of optimum solutions for the most hostile environments.

Our enabling technologies ensure the most complex systems can be developed in a reliable and safe manner.



Experience includes:

- Asgard
- Gullfaks
- Oseberg
- Sleipner

- Snorre
- Statfjord
- Karsto
- Alba

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