



# BEL VALVES

Excellence in Valve Engineering

## Through Conduit Gate Valves

**Subsea and surface gate valves for critical applications**



### APPLICATIONS

- Subsea & surface
- Severe service
- Abrasive flow
- High temperature
- High pressure
- Corrosive environments
- Deep water
- Oil or Gas
- Process Isolation
- Production manifolds surface & subsea
- High Integrity Pipeline Protection systems
- Pipeline end termination
- Emergency shut down
- Double block and bleed
- Hot tapping
- Pig launcher/receiver

As conditions become ever more challenging within oil and gas production you need best practice solutions that are safe, reliable and fit for purpose. BEL Valves engineered gate valve solutions are designed to the most exacting standards and operate in the most hostile environments. Our designs are developed to provide solutions to customer's demands for current and future surface and subsea applications.

### SPECIFICATION

Pressure rating	ANSI 150 to 4500 API 2,000 to 20,000 psi
Temperature	-100°C to + 190°C
Water depths	To 3000m
Bore sizes	1/2" to 42"
Material options	Carbon and low alloy steels, stainless steels, low temperature carbon steel, duplex, super duplex, Inconel
Actuation	Hydraulic, pneumatic (double acting and spring return), Electric, Manual and ROV
Standards	API 6A, API 6D, API 17D, API 6AV1 ISO 10423, ISO 13628, ISO 14313, ISO 14723

### OPERATIONAL BENEFITS

- Compact design
- Corrosion resistant
- Deep water
- Fast closing
- Protection against over pressure
- Robust design
- Gas tight, metal to metal sealing
- High pressure/high temperature
- Bi-directional sealing
- Fire safe
- Inherently failsafe

### CONFIGURATIONS

- Manual, ROV, hydraulic spring return or electric actuation
- Full or reduced bore
- Flanged, butt weld, socket weld, hub connectors, compact flange or other proprietary connections

### OPTIONAL FEATURES

- Material options
- Seat design
- Gas tight, Tungsten Carbide coated, metal to metal sealing

**BEL VALVES**

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**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 reliably and safely.



Experience includes:

- |              |                   |
|--------------|-------------------|
| ■ Pierce     | ■ Gullfaks        |
| ■ Kizomba    | ■ Erskine         |
| ■ Jade       | ■ Elgin Franklin  |
| ■ Affleck    | ■ West Delta Deep |
| ■ Tengiz     | ■ Gorgon          |
| ■ Shah Deniz | ■ Bonga           |

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