



Rotary Disc Valves

Subsea Rotary Disc Valves



APPLICATIONS

- Control fluids
- Injection chemicals
- Zero leakage requirements
- High temperature
- High pressure
- Corrosive environments
- Oil or gas
- Process isolation
- Abrasive service

There is more to control than just process fluids in the subsea system. Rotary disc valves are readily used for both chemical injection and for hydraulic distribution. Chemicals are used in many critical applications to remove blockages, reduce corrosion, improve crude oil quality and of course for flow assurance.

Simplicity of design is key with the rotary disc valve design. Metal to metal sealing across gate and seat delivers ease of operation, reliability and a robust performance even in the dirtiest of applications. The design is reliable down to 4500m water depth and up to pressures of 16,500 psi. Depending on the application, the rotary disc can be operated hydraulically with spring return for fail safe application and manual override, or via ROV. Both options are compact in design and ideal for use where space is restricted.

OPERATIONAL BENEFITS

In the main, the systems used for chemical injection and hydraulic distribution tend not to have significant fluctuations in pressure. What you do need, however, is a valve that can reliably perform in dirty fluid conditions. The subsea rotary disc (or sometimes referred to as rotary gate) valve is ideal for simple and reliable operation in these conditions delivering either isolation or diverter solutions.

MATERIALS, SPECIFICATION AND APPROVALS

Our entire range of rotary disc valve designs are in accordance with the relevant industry codes and standards including:

- ISO 13628
- ISO 14723
- API 6DSS
- API 17D
- API 6AVI

STANDARD AND OPTIONAL FEATURES

- Single valve, two valves in a block or manifold mounted
- Flanged, welded or thread end connections
- Duplex trim
- Project specific bores up to 1"
- Gas tight, Tungsten carbide coated, metal to metal sealing



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.



We encourage customers to visit our site and make use of our in-house resources. However, logistics dictate that this is not always possible which is why we have established a network of local support:

- | | |
|----------------|----------|
| Africa | Brazil |
| Europe | Far East |
| Gulf of Mexico | India |
| Middle East | Norway |
| Russia & CIS | UK |

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