



HIPPS Valves

Subsea and surface valves for High Integrity Pressure Protection Systems

HIPPS are safety instrumented systems that isolate downstream facilities from over pressure. The application is considered to be the ideal solution for asset protection and enhanced safety where pressure relief devices are impractical. The key drivers for HIPPS applications are safety, environmental, economic considerations and is an enabling technology that contributes towards bringing viability to marginal developments. Quick closing, high integrity valves and actuators are therefore vital for HIPPS applications.



SPECIFICATION

Pressure Rating	To 20,000 psi
Temperatures	-46°C to + 190°C
Bore Sizes	1" to 24"
Material Options	Carbon and low alloy steels, CRA
Actuation	Hydraulic (double & spring return)
Standards	API 6A, API 6D, API 6DSS, API 17D, API 6AV1, API 170 IEC 61508 / IEC 61511, ISO 10427, ISO 14313, IS

OPERATIONAL BENEFITS

- Increased safety
- Reduced surface weight
- Reduced risk
- High reliability
- Lower design pressure for down-stream pipework
- High availability
- Reduced line costs through:
 - Reduction in pipe thickness
 - Smaller components
 - Use of flexible pipeline

CONFIGURATIONS

- Gate valve
- Top or side entry
- Full or reduced bore
- Flanged, butt weld, compact flange or other proprietary connections

OPTIONAL FEATURES

- Material options
- Control system integration
- Hydraulic power pack
- Accumulation

APPLICATIONS INCLUDE

- Surface
- Subsea



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.

HIPPS experience includes:

- Shah Deniz
- Bardolino
- Kashagan
- Jura West
- Jade
- Juno
- Oseberg
- Zakum Gas
- Mobile Bay
- Penguins
- Devenick
- Rhum
- Mallard
- Kingfisher
- Shearwater
- Erskine
- Denise B
- Vega
- Block 18
- Arabiyah - Hasbah



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