

Subsea Well Access

Riserless Well Intervention System (RWIS)

Well Control Package (WCP)

The Well Control Package (WCP) is a lightweight system (42T) with a 7 3/8" bore size with 10,000psi working pressure and consists of series of shear and seal valves capable of shearing wireline and other tool strings during emergency situations and sealing the wellbore.

The WCP is the primary safety barrier installed on top of the subsea Xmas Tree (XT) and provides pressure containment preventing unintentional flow from the wellbore within the RWIS during operations.

The WCP dual isolation ball valves are designed to fail close automatically using stored hydraulic fluid from the accumulator banks during any emergency shut down or emergency disconnect process.

Features and benefits

- To provide a primary safety system to isolate well pressure with dual barrier isolation.
- To facilitate chemical injection directly into the lubricator via a dual sealing / backflow valve arrangement, using an injection inlet located at the upper Stackable Lightweight Intervention Connector (SLIC) connector and above the Shear Seal Gate Valve (SSGV).
- To accommodate internal passage of associated well isolation plugs, downhole tooling, and instrumentation, etc.
- Provides WOCS capability to provide XT control in conjunction with the Subsea Safety Module (SSM).
- Can interface with open water bore selector for dual bore applications, tree running tools, temporary abandonment plug spool and XT interface adapter
- Expro Temporary Abandonment Plug Spool (TAPS) can be deployed providing a mechanical barrier in the system for safe release from the wellbore.
- Flushing supply and return lines are connected to WCP from the SSM via a quick disconnect connector providing a conduit for flushing fluids when isolated from the wellbore and receiving returned fluids back to the vessel.
- Offers the ability to bull head.

