

SSD-II

Space-saving diverter wellhead system

APPLICATIONS

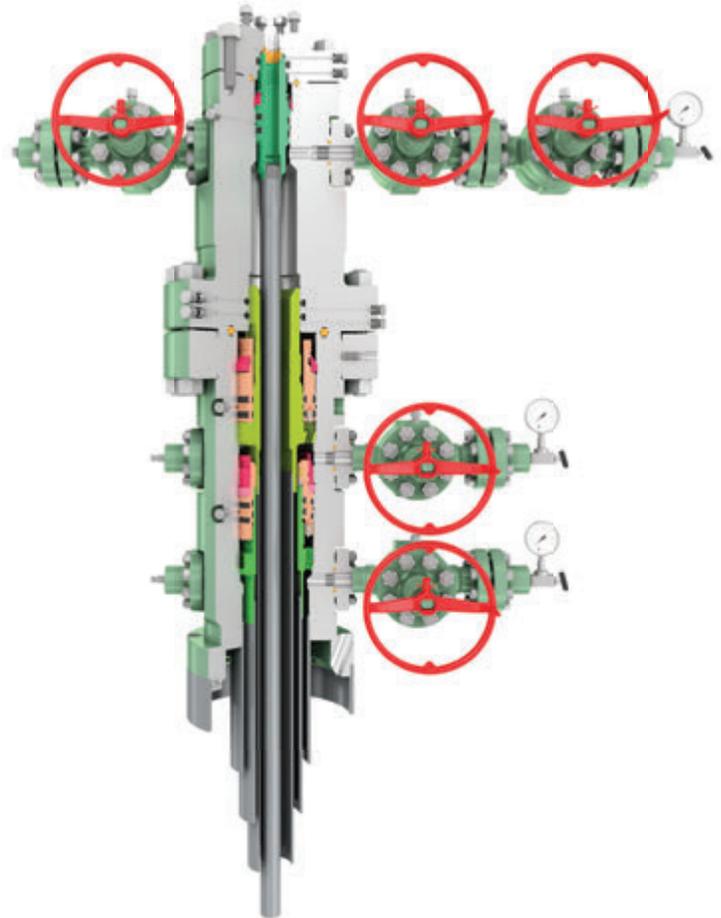
- Land or offshore platforms
- Multiple wells with close centerlines on a pad
- Multiple casing strings or single strings

BENEFITS

- Streamlines operations by eliminating the requirement for
 - Isolation sleeves and dummy hangers
 - Unnecessary body penetration and potential leak paths
 - Hot work during the drilling phase
- Improves wellbore integrity by enabling wellhead system installation without unnecessary wellbore exposure to atmosphere
- Enhances operational versatility with the ability to isolate the wellbore using a backpressure valve (BPV)
- Reduces drilling time for liner casing by an estimated 8–12 hours by eliminating the need for a B-section spool

FEATURES

- Design that meets NACE MR0175 requirements
- Compact and unitized system
- Independent load shoulders
- Production working pressures of 3,000, 5,000, and 10,000 psi [20.9, 34.5, and 68.9 MPa]
- Spin-on API flange connection
- Dual seals on hangers, packoffs, and wellhead interface connections; external test ports for testing between the seals
- Type H BPV profiles in both tubing and casing hangers
- Use of latch-style JP2 BPV in drill-through applications, eliminating the need for special bit-guided packoff runs
- Slip-type casing hangers in common configuration
- Accommodation of offline cementing programs
- Available rental package for service tools



The SSD-II wellhead system can be run as a single-string or multistring casing string system.

The SSD-II* space-saving diverter wellhead system is an 11-in quick-makeup multibowl system that features independent load shoulders, eliminating the need to install isolation bushings or dummy hangers when only the production casing string is run. The wellhead can then be run as a single-string or multistring casing string system.

Two load shoulder profiles in a 11-in compact housing enable independently running the intermediate casing string, which is typically 7 in or 7½ in. The production casing string is typically 4 in to 5½ in on casing hangers. When an intermediate casing string is not run, isolation bushings are not required. Packoffs provide positive internal lockdown.

Minimize exposure to potential incidents

By lowering the number of BOP makeup or breakout connections, the SSD-II wellhead system minimizes exposure to potential openhole and lost-time incidents while reducing wellhead installation time. Multiple casing strings are run through the BOP and riser.

SSD-II

Eliminate external lockscrews and unnecessary wellbore exposure to atmosphere

The system uses internal locking mechanisms to mitigate exposure to working under a heavy load or in a confined space. It has no external lockscrews or unnecessary penetrations for locking in casing strings, eliminating associated leak paths and HSE concerns.

The SSD-II wellhead system uses a spin-on flange, reducing its overall cross section. This enables running the system through a rotary table or riser diverter system to land out on a load ring located in the conductor.

Lower lead times and inventory costs

A spin-on API bolt preparation flange is installed for conventional makeup, eliminating the need for a special tubing head or a tree adapter.

The SSD-II wellhead system also incorporates internals common to most Cameron multibowl wellhead systems, lowering lead times and inventory costs.



Cameron personnel are performing a stackup test on an SSD-II wellhead system.

slb.com/wellheads