




OCS-V vertical clamp connection system

Reduces the total cost of ownership of subsea connection systems

-  **Pressure:**
Up to 20,000 psi [138 MPa]
-  **Water depth:**
Up to 10,000 ft [3,048 m]
-  **Temperature:**
-50 to 400 degF [-45 to 204 degC]

Applications

- Shallow and deep water
- HPHT conditions

How it improves operations

The clamp connection system's ease of installation reduces the total cost of ownership. Suitable for multiple pipe sizes ranging from 4- to 20-in nominal pipe size (NPS), the OCS-V* vertical clamp connection system features

- a compact design and reduced hub-to-hub distance to reduce weight and cost of structures
- minimal tie-in tooling, requiring only an ROV-operated torque tool
- ROV fly-to-place tooling that enables the use of smaller vessels for intervention operations and eliminates the use of downlines
- proprietary dual-metal gasket (DMG) to provide a metal-to-metal secondary barrier to withstand HPHT conditions, delivering reliable sealing technology
- backseat-testing capability.

How it works

The inboard receiver structure is mounted to the subsea host structure. The outboard receiver connector is mounted to the end termination of either rigid or flexible jumpers and subsea flowlines.

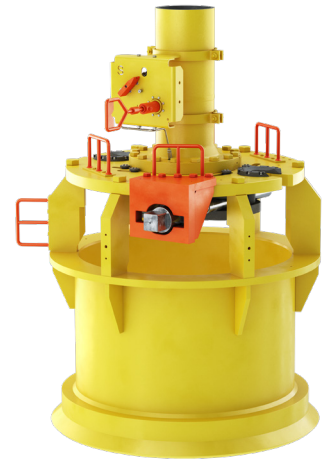
What it replaces

Conventional connection systems with large, complex, and expensive installation or intervention tooling; elastomer secondary seals; and prolonged maintenance and storage requirements.

Additional information

The OCS-V vertical clamp connection system is smaller and lighter than conventional systems, making it faster to install with minimal operational sequences. The clamp connection system has a high structural capacity capable of accommodating a wide range of applications and has undergone an extensive qualification and verification testing program.

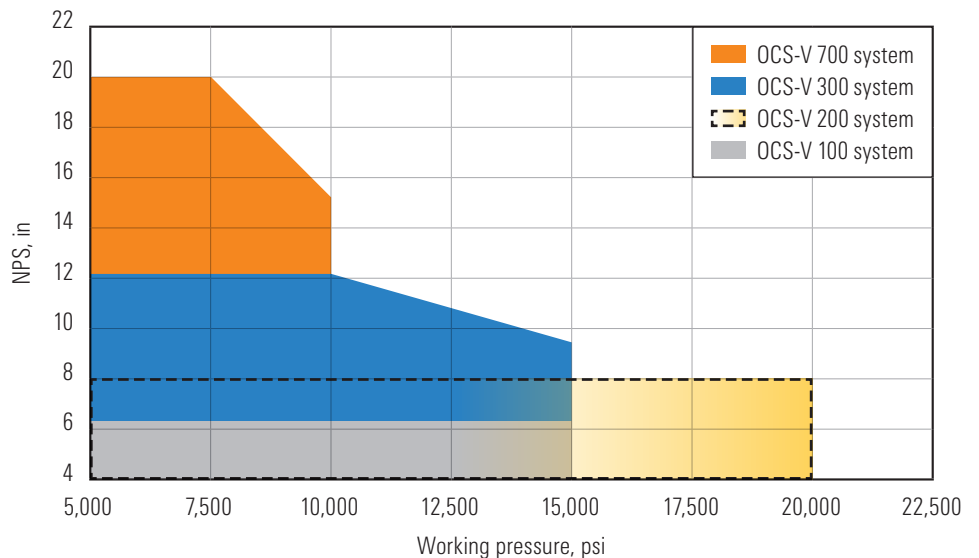
Configurations are available for monobore, rigid, and flexible applications.



Outboard receiver structure of the OCS-V vertical clamp connection system.

OCS-V Vertical Clamp Connection System Specifications

Water depth	Up to 10,000 ft [3,048 m]
Temperature	-50 to 400 degF [-45 to 204 degC]
Pressure	Up to 20,000 psi [138 MPa]
Nominal pipe size (NPS)	4 to 20 in
Sealing technology	DMG
Sealing internal diameter	Up to 18.125 in
Backseat-testing capability	Outboard ROV panel with isolation valve
Running tool type (clamp operations)	Class 7 torque tool



OCS-V system pipe size per working pressure.