



TRIDENT MODULAR INTERVENTION SYSTEM

A Low Cost, Flexible Well Intervention Solution

Trendsetter's new Trident series of subsea well intervention systems has been designed from the tree interface up, to provide a cost effective and operationally robust solution for the next evolution of well intervention needs and in compliance with the latest industry standards.

The Trident Intervention series is available in three bore and pressure variations: 5-1/8" 20,000psi, 6-3/8" 15,000psi, and 7-3/8" 10,000psi.

Based around innovative and compact valve technology, the Trident Lower Riser Package (LRP) provides the versatility and functionality to be utilized for Hydraulic Intervention, Riserless Light Well Intervention (RLWI) or Open-Water Intervention Riser System (OWIRS) by changing out the plug-and-play upper modules including the Emergency Disconnect Package (EDP) with tapered stress joint and the Pressure Control Head (PCH) with lubricator assembly. In addition, the system is suitable for well testing and flow back operations.

Due to the compact design, the Trident system is uniquely suited for rapid mobilization and seamless integration into vessels and rigs of availability providing a safe, cost-effective and time efficient intervention solution regardless of the geographic location, intervention type or vessel selected.

Trident provides not only downhole access for hydraulic, wire line and coiled tubing well operations, but is designed first and foremost to provide the necessary environmental barriers, ensuring personal safety and environmental responsibility.

With API 17G qualified shear and seal capability for up to 2-3/8" coiled tubing, Trident is capable of completing Emergency Shut Down (ESD) in under 15 seconds, Emergency Disconnect Sequence (EDS) in less than 35 seconds and his full Deadman/Auto-Shear (DMAS) compliant.

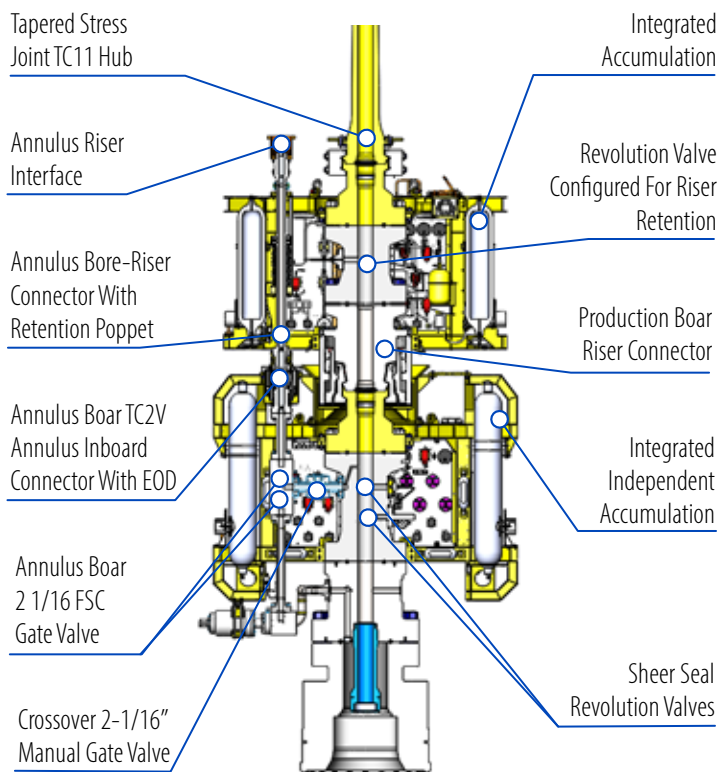


KEY FEATURES

- ✓ Single system reconfigurable for Hydraulic Intervention, Riserless Light Well Intervention and use as an Open-Water Intervention Riser System.
- ✓ Available in a wide range of bore size and working pressure options up to 20,000psi
- ✓ Provides peace of mind with dual barrier well control and unparalleled shear / seal capabilities
- ✓ Compact footprint allows for reduced logistics requirements and no modifications to vessel or rig of availability.
- ✓ Safety sequences including ESD, EDS, DMAS accomplished in less than 35 seconds



IT'S THE TECHNOLOGY INSIDE THAT COUNTS



SPECIFICATIONS

Production Bore Size / Working Pressure Rating	5.125" - 20,000psi / 6.375" - 15,000psi / 7.375" - 10,000psi
Annulus Bore Size	2.0625 in.
Water Depth Rating	10,000 fsw
Trim	EE
Temperature Class	API 6A - U
Control Type	Electro-Hydraulic (Primary) ROV (Secondary)
ROV Interfaces	Hot Stab(s) and Torque Bucket(s) as per API 17H
Shear/Seal Capability	Slickline Braided Line Coiled Tubing: 2-3/8" x .203", 130ksi
Safety System and Sequences	Emergency Shut Down (ESD) Emergency Disconnect Sequence (EDS) Deadman (DM) Auto-Shear (AS)
Safety System Timings	<35 Seconds
EDP / LRP Dimensions (6-3/8" 15,000psi OWIRS)	10'10" x 8'3" x 15'9" / 34,476lbs. (L X W X H / Weight)

TRIDENT

"One System ... Three Solutions"

Hydraulic Intervention (HI)

Open-Water Intervention Riser System (OWIRS)

Riserless Light Well Intervention (RLWI)

AN INNOVATIVE SOLUTION FOR SUBSEA INTERVENTION



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Manufactured by:
Trendsetter Engineering
Leader in Contemporary Subsea Solutions