

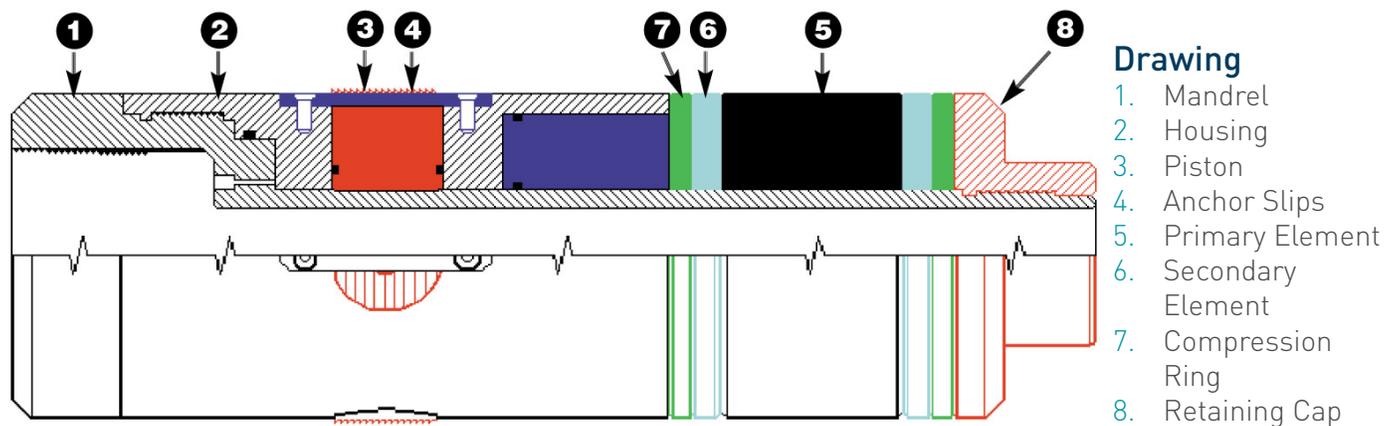
Smart Vent Safety System

Maximizing safety and efficiency during riser repairs

The **Oceaneering**[®] Smart Vent Safety System provides a cost efficient solution to maximize the safety and efficiency of riser repairs. This field-proven solution is used globally to vent hazardous vapors away from the workstation during execution of both riser and pipe repairs.

Repairs using the Smart Vent Safety System can also be completed without flooding or purging the riser, eliminating the need to handle or dispose of contaminated seawater. The system maintains a large vent area that ensures proper control of pressurization and release of vapors. The system mitigates the damage and environmental hazards resulting from potential spills by piping hazardous fluids to a remote storage location.





System Advantages

- » Facilitates efficient, economical, and safe riser repairs
- » Repair methodology complies with MMS Safety Alert 159
- » Anchored design available in various pipe sizes
- » Reusable design
- » Monitored by alarm system activated in the event of pressure reduction
- » May eliminate the requirement to test entire line (based on weld and connection configuration)

Principles of Operation

- » The riser is first parted at a flange or cold-cut to provide access for the Smart Vent.
- » The Smart Vent is lowered inside the pipe below the depth of desired cut.
- » The hydraulic fluid line is used to expand the rubber collar and seal against the pipe wall.
- » The slip anchors hold it in place.
- » Once the Smart Vent is appropriately set in place, a safe work zone is created.
- » Any residual hazardous fluids are vented through the vent pipe.
- » The riser is now safe for the workers to perform all necessary repair work.
- » Upon completion, the repaired pipe section can be safely tested.



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