

Divided Pressure Washpipe

Robust, long-lasting washpipe engineered for up to 10,000 psi

As operators drill farther into increasingly higher pressure and temperature environments, the strain on equipment intensifies. NOV's Divided Pressure Washpipe provides a robust, and retrofittable solution that can operate at extreme pressures of up to 10,000 psi.

The Divided Pressure Washpipe is an enhanced version of NOV's time-proven conventional washpipe design, incorporating pressure-dividing technology to enable reliable operation with oil-based mud (OBM), water-based mud (WBM), and brine. This compatibility enables drillers to switch between drilling fluids during different well sections while maintaining continuous washpipe operation.

A pressure-dividing manifold distributes well pressure evenly across four seals, reducing the pressure load on each seal by approximately 75%. This reduction in seal loading significantly extends seal life and enables operation at higher well pressures.

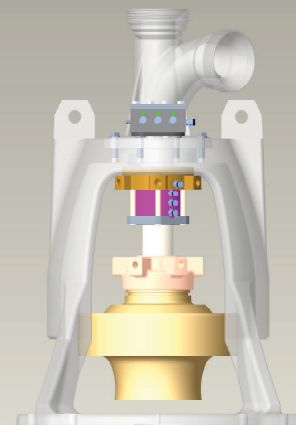
The Divided Pressure Washpipe is inherently failure-tolerant. If a seal begins to leak, it is automatically isolated and its load is redistributed to the remaining seals,

allowing operations to continue until scheduled maintenance can be performed.

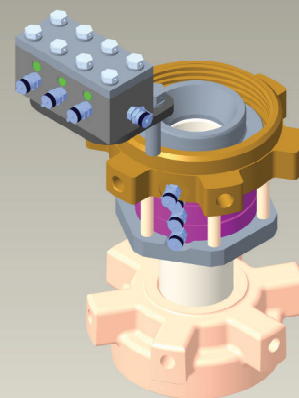
Testing has proven the Divided Pressure Washpipe's robustness and high performance in challenging environments, making it a great asset to your top drive equipment.

Features and Benefits

- Rated up to 10,000 psi
- Tungsten carbide wear sleeve for durability
- Long-lasting performance with OBM, WBM, and brine
- Lowered cost of ownership
- Robust, insensitive to jarring, transport loads, and dry-running
- Failure tolerance reduces downtime
- Low risk, unplugging divider manifold hoses transforms washpipe into conventional design



Divided Pressure Washpipe System



Ported Washpipe with Divider Manifold