



Wellhead cyclonics

10k MultiPhase Desander

Protect your downstream equipment from erosion

Cyclonic desanding of fluids is a robust method of removing problem solids from your production system prior to the main production separators without the risk of rapid blockage, manual intervention, and operational expense associated with filters. It is particularly suitable for short bursts of high concentration solids flow or control of erosive solids over the longer term. The cyclonic action separates the solids into the accumulation vessel - this lower section can be isolated allowing the solids to be discharged without interrupting the process flow. 10k Wellhead Cyclonic Desanders are just one part of the NOV sand control equipment portfolio. Whether it is well clean-up or solids breakthrough during production, NOV can advise on the most cost-effective solution.

Design specifications

Design, material, class	API 6A, ASME VIII div. 2, EE-360
Rated pressure, temperature	10k psi, -29°C to 177°C (-20°F to 350°F)
Frame	DNV 2.7-3, 2.4 m x 2.8 m x 6.1 m
Weight	19,320 kg (dry)
Capacity	15,000 bpd. 100 MMSCFD
Accumulation	0.4 m ³

Benefits:

- Robust, high-capacity unit
- Erosion resistant replaceable liners to maximize vessel life
- Multiple liner sizes available to maximize performance
- Enhanced corrosion protection
- Standard product designs available to minimize cost
- Custom designs available to meet project needs
- NOV expertise in solids handling

