

WELLBORE SERVICE TOOLS | WELLBORE CLEANING TECHNOLOGY

CleanWell® Vac Tech® downhole eductor system

Reverse circulating debris extraction system

FEATURES AND BENEFITS

- Proprietary eductor energy system
- Extremely efficient fluid mechanics
- Isolated to allow conventional or reverse circulation before activation
- Eductor powerhead creates pressure differential drive
 - Eliminates long interval inefficiencies and limitations potentially created by tailpipe
- Robust, industry-proven knockout screen
- Adjustable debris chambers – collection volume
- Filtering screen option for fine sands
- Ideal for post-perforation cleanouts or isolation plug retrieval runs
- Modular system for safe, efficient debris management

Overview

The CleanWell® Vac Tech® tool provides an efficient downhole eductor system ideal for debris removal. The power eductor head works off of convergent and divergent flow and does not rely on inefficiently dragging fluid around the OD of tailpipe. The “loop flow” is induced internally and can be custom designed to help ensure terminal lifting velocities are achieved.

The CleanWell Vac Tech system is equipped with modular handling chambers for easy cleaning and safe rig management. The internal, sequential collection system allows mechanical retention ranging from large debris to formation sand. The tool can be deployed in the closed (isolated) position if conventional circulating is required prior to activation. The ball-drop activation system provides a positive indication when loop flow is initiated. Pre-planning flow loop models are included to help ensure proper nozzle selection and energy is delivered to optimize application success. Other mechanical tools are customarily incorporated into the design to ensure full application assurance.



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