

PRIME High-Volume Suction

Advanced e-line cleanout technology

Applications

- Removes sand and loose debris from completion components. e.g. valves, top of retrievable plugs, nipple profiles, ID changes and fish-necks
- Enables latch cleaning and plug pulling in a single run

Features and Benefits

- Integrates with wireline tractor for deviated wells and standalone e-line for vertical wells
- Collection chambers are configured to align with rig-up height constraints
- Maximizes debris capture with graded filters and efficient separators
- Configurable front nozzles meet specific operational needs
- Contains debris securely with pressure-rated collection chambers.
- Manages trapped pressure safely with integrated pressure control

The PRIME High-Volume Suction tool from Baker Hughes removes debris by locally circulating wellbore fluids to recover and filter downhole debris into the reservoir chambers. It is suitable for loose debris and complex completion profiles.

The system works by using two independent pumps to generate different flow regimes inside the tool across a filter that separates solids from liquids.

It is suitable for a wide range of debris types, including produced fluids and introduced materials such as mud,

silt, sand, proppants and metallic fragments. It operates reliably in all liquid environments.

Configurability

Can be configured with a series of customizable nozzles to enable cleaning and pulling in a single run.

Deployment

The PRIME High-Volume Suction tool can be conveyed under gravity or be integrated with the PRIME Tractor including Release Sub System (RSS) when well inclination requires.

PRIME High-Volume Suction		
	Imperial	Metric
Tool OD	4.3 in.	1091 mm
Temperature rating	350°F	175°C
Pressure rating	15,000 psi	1,034 bar
Collection chamber volume	<ul style="list-style-type: none">7.6 liter capacity per chamberMore than 60 liters per trip	
Real time feedback	<ul style="list-style-type: none">Pressure and flow sensors, differential, system diagnostics	
Configurability	<ul style="list-style-type: none">Nozzle configurable based on type, size and purposeFilters and mesh sizeNumber of chambers stacked	

