

PRECISION MECHANICAL APPLICATIONS

# PRECISIONSUCTION

MAKING INTERVENTION  
**SMARTER**

The **PrecisionSuction** removes debris by creating a suction effect in the wellbore thereby agitating and extracting the target debris for collection in reservoir chambers. It is suitable for loose debris and complex completion profiles. Wellbore fluids are filtered and circulated back into the borehole.



## APPLICATIONS

- Removes, collects, retains and transports debris from wellbore completions e.g. fluid isolation valves and top of retrievable plugs
- Unconsolidated debris types; scale, proppants sand, mud and silt

## FEATURES

- E-Line conveyed, powered device
- Can be run standalone
- Well fluids filtered out optimising reservoir chamber collection volume
- Reservoir chamber quantity can be optimised depending on available rig up height and well trajectory
- Nozzles can be configured depending on completion profile and debris type

## BENEFITS

- Cost effective option for cleaning out loose, unconsolidated debris especially from latching profiles
- Precise and low-risk wellbore cleanout service; no mechanical interaction with completion components
- Suction allows collection of debris on the side of well trajectory (e.g. SPM)
- Light on logistics, footprint, personnel and time

SERVICE NAME	PRECISIONSUCTION 350
Tool body outer diameter <sup>1</sup>	3.5 in (88.9 mm)
Reservoir chamber OD	3.5 in (88.9 mm)
Capacity per reservoir chamber	1.11 gal (4.2 l)
Length single reservoir chamber	3.9 ft (1.19 m)
"Standard" configuration capacity <sup>2</sup>	5.55 gal (21.0 l)
"Standard" configuration reservoir chambers length <sup>2</sup>	23.4 ft (7.1 m)
"Standard" configuration total length	35.1 ft (10.7 m)
Pressure rating	20,000 psi (1,379 bar)
Temperature rating	302 °F (150 °C)
Deviations	0° (vertical) - 50°
Operational RPM	≤ 4,000 rpm
Tensile strength	13,228 lbs (6,000 kg)

<sup>1</sup> Tool OD Only

<sup>2</sup> Standard configuration for PrecisionSuction is 5 reservoirs plus 1 filter chamber but dependent on rig up height.