

Datasheet Well Cleaner® 414 Power Suction Tool – SRO2

The Well Cleaner® Power Suction Tool (PST) is the primary choice for removal of loose debris in a well. Using high flowrate fluid circulation, the Well Cleaner® PST agitates debris and then captures it in bailer sections within the tool. It can be run independently in vertical wells or combined with the Well Tractor® for clean-outs in highly deviated or horizontal wells. Surface Read Out (SRO2) allows for real-time indication of bailer filling whilst also providing the ability to control and adjust downhole suction force.

The ability to vary this force means it can be optimized to suit specific downhole well conditions allowing the capture of multiple debris types in a single run.

Applications	Features	Benefits
• Removing sand and debris	• Powerful suction	• No additional fluids required
• Cleaning SSSV seats	• Variable nozzle designs	• Measureable recovery
• Clearing obstructions	• Configurable	• Removes wide range of debris
• Accessing isolation valves	• Integrated bailers in various sizes	• Recovers the debris from the well
	• Modular	• High recovery rate
	• Universal	• Accurate depth control
	• NACE compliant	• Operates on any e-line via DC

Specifications*	Imperial	Metric
• Length	• 31.8 ft	• 9.7 m
• Running OD nominal	• 4 1/4"	• 107.95 mm
• Weight in air	• 588 lbs	• 267 Kg
• Completion ID range	• 4.4" – 12.6"	• 114 – 320 mm
• Available bailer sizes	• 4.25"	• 108 mm
• Bailer volume / up to 7 bailers	• 2.9 gals / up to 21 gals (half a barrel)	• 11 l / up to 77 l
• Surface controlled suction force**	• 0 - 290 psi	• 0 - 20 bar
• Maximum well pressure	• 25,000 psi	• 1,720 bar
• Maximum well temperature	• 302 F	• 150 °C
• Tensile strength	• 65,000 lbs	• 29,500 Kg
• Compressive strength	• 65,000 lbs	• 29,500 Kg

Surface read-out SRO2: real-time pressure readings to indicate bailer filling.

* Dependent upon configuration, above weights and lengths are for a 3 bailer setup, tool has been tested with 7 bailers max.

** Dependent on allowable current draw

