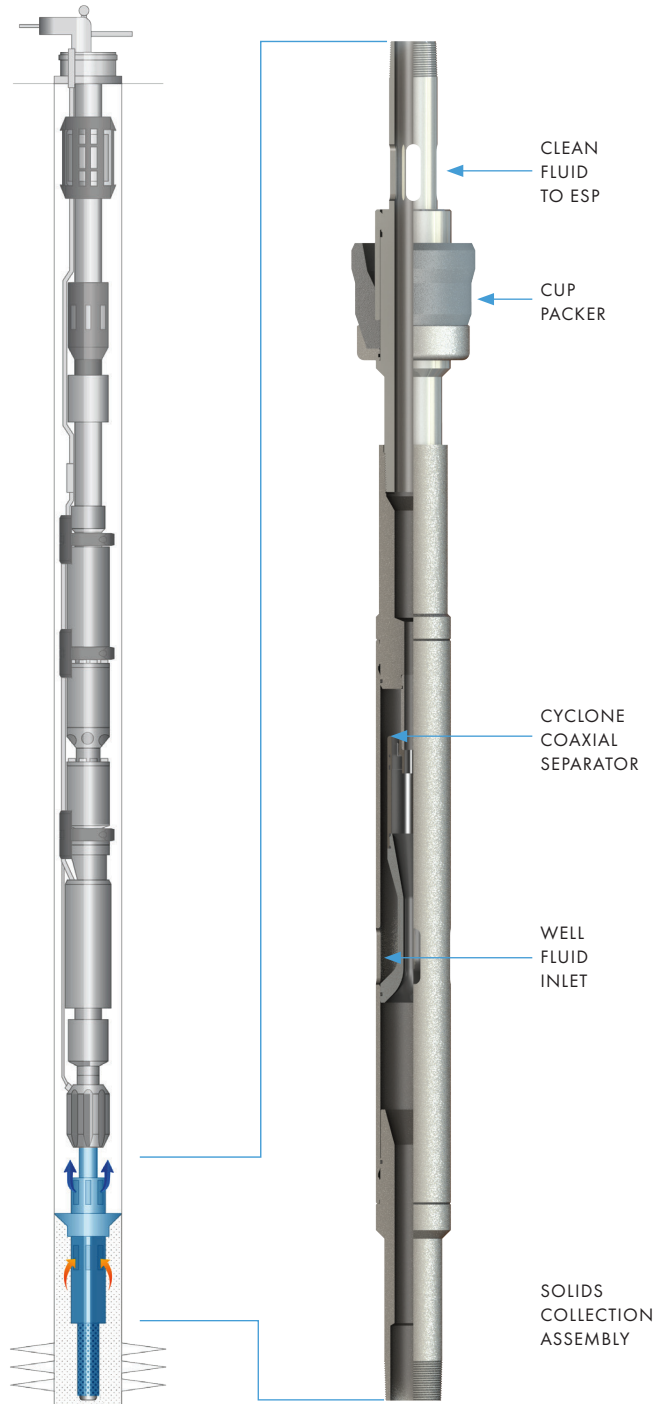


# SUPER SAND SEPARATOR™

## PREVENTING SOLIDS FROM REACHING THE ESP



ESPCT's patented Super Sand Separator™ is designed to provide superior performance across a wide range of operations. The patented inducer enables the system to separate solids and gas from the fluid with no restrictions to the pump. The design features no moving parts and an industry leading flow coefficient that ensures maximum separation at the designed pump flowrate.

### Benefits

- Extends ESP runlife by preventing solids from reaching the ESP
- Extends operating time by breaking gas slugs
- Best efficiency and flow coefficients in the market
- Rationalizes inventory by single wide operating range tool
- Reduces rig time due to installation simplicity
- Cost effective

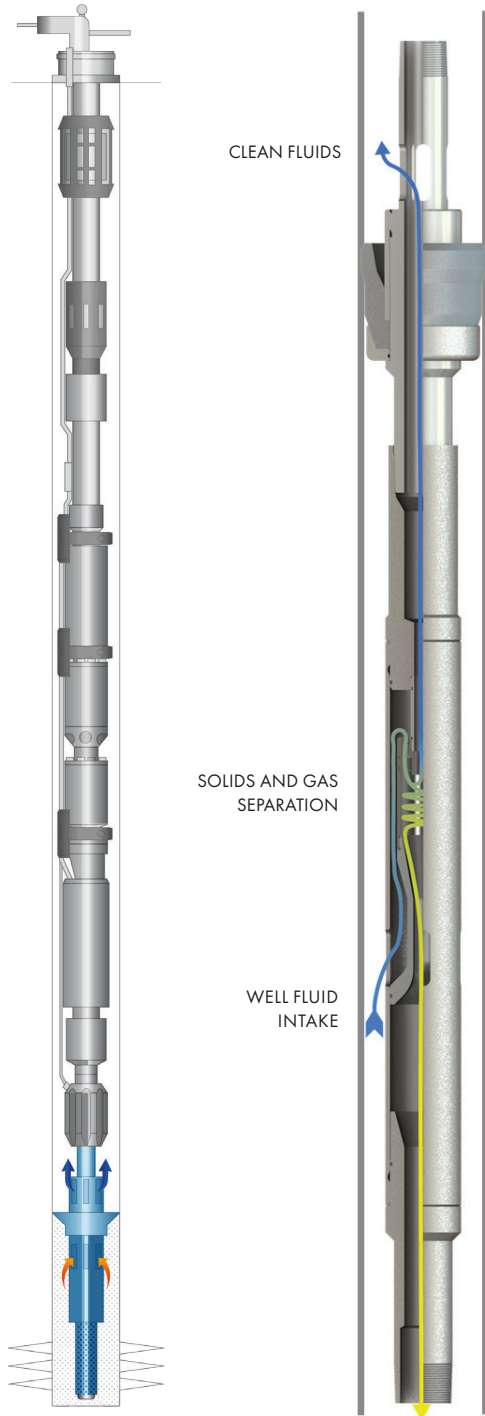
### Features

- Patented High Efficiency Cyclonic/Vortex Separator
- No moving parts
- Flow Pattern enables gas separation
- Built-in fail safe feature to let flow continue through without choking the pump, in case the solids collection at the bottom gets full
- Cup packers available in different sizes and materials

PATENT: US9359879



## PRINCIPLES OF OPERATION



- The well fluid is forced to pass through the cyclone coaxially disposed within the housing and extending axially from the feed tube
- Solids are separated and precipitate to a solids collection assembly at the bottom, which consist of a bull plugged tail pipe that can be sized as per the application requirements
- Liquid and gas are separated and travels to the feed tubing by a vortex effect, and then to the ESP system

## SPECIFICATIONS

Outer Diameter	3.67-in.	4.00-in.	5.38-in.	Larger diameters available
Length	6.2-ft	6.2-ft.	6.2-ft.	Approximately (with pup joints)
Flow Range	0-1,500 bpd	0-2,500 bpd	0-10,000 bpd	Higher flow rates available
Materials	Alloy Steel or Stainless Steel	Alloy Steel or Stainless Steel	Alloy Steel or Stainless Steel	Other materials available

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