



Senturion® 3530



Sentinel Solutions proudly presents the Senturion 3530®, the next-generation high-capacity fluid recycling system purpose-built for mid-class trenchless drilling. Designed to deliver exceptional performance, rugged durability, and user-friendly operation, the Senturion 3530® redefines mud recycling for enhanced borehole stability and lower overall operating costs.

Cleaner Fluid, Drier Cuttings, Smarter Operations

Equipped with onboard NOV Brant™ Alpha™ shakers, the Senturion 3530® retains more valuable drilling fluid, significantly reducing dilution requirements and the frequency of disposal trips. By producing drier cuttings and minimizing the need for replacement fluids and solidification agents, the system helps operators cut hauling costs and environmental impact. Cleaner fluids also improve the overall efficiency of the mud system while reducing wear on the downstream equipment — maximizing downtime and extending service life.

Sentinel Senturion® Solution

Sentinel has become an industry leader in the Solids Separation arena, from HDD to Large Diameter Tunneling.

Our experience across disciplines has enabled us to create the most sophisticated and technologically advanced mud systems available, all manufactured in Texas. Our leadership team has been involved in the HDD market since the early days of the fiber boom and has developed expertise in all aspects of drilling fluids.

The integration of solids control, drilling fluids, and field experience has guided our development of the Senturion® line of mud systems every step of the way, yielding equipment designed to keep your operations moving at the lowest possible cost.

*Maximum flow rate is dependent on the number and size of hydrocyclones used, solids concentration, fluid viscosity, & shaker settings.

Senturion®	Senturion 3530®
Screen Type	PXL or RHD API Screens
Maximum G-Force	Up to 7 G's
Slurry Pumps	Three (3) 4x3x13 Centrifugal
Vibratory Motors	(2) 2.5 hp
Number of Screen Panels	Six (6) Screen Panels
Maximum Hydraulic Capacity*	350 gpm (22 lps)
Hydrocycle Desilters	Eight (8) 4-inch Desilters
Unit Dimensions (Catwalk Collapsed)	34' (410") L x 8.5' (102") W x 13.5' (162") H
Weight	33,000 lbs
Tank Capacity	3,000 Gallons

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High Efficiency Processing

The NOV™ Alpha™ shaker delivers reliable, efficient, performance using a standard horsepower motor, offering higher processing capacity without added complexity. Its shaker motors are cost-effective and easy to source, helping to keep long-term ownership expenses down. With an industry-leading 68-decibel noise rating, the Alpha is ideal for use in urban and suburban settings.

A pneumatic clamping system ensures a secure seal along screen edges, minimizing bypass and maximizing separation efficiency. The tongue-and-groove screen design allows for quick, one-person screen changes in just minutes — giving Senturion operators a clear advantage in adapting to changing formations.



Performance Highlights

- Up to 350 gallons per minute (22 lps) of fluid processing power - ideal for medium bore and short-distance HDD applications
- NOV Brandt™ Alpha™ single-deck shaker is capable of processing cuttings up to 40% higher capacity than any other single-deck shaker on the market today
- Recirculation design returns cuttings to primary tank for multiple passes — achieving consistent fluid weights and optimal solids separation
- Eight (8) 4-Inch hydrocyclone desilters equipped with pressure gauge for precise stage-by-stage fluid cleaning
- Dedicated 4x3x13 centrifugal slurry pumps with 25hp motor for desilter, hopper/mud gun, and transfer options

Improve Your Solids Control Operations

Contact us today:
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