

SandCastle™ PS-2500 Proppant Silo

Revolutionary Vertical Proppant Storage System Saves Space and Reduces On-Site Emissions

Wellsite planning can sometimes be problematic and requires careful consideration and forethought. In addition, reducing the carbon footprint of oilfield operations is a strong driver in today's environment. To help operators address both issues, Halliburton introduces the SandCastle™ PS-2500 proppant silo that provides several benefits:

- Reduces the size of the pad required to store proppant
- Reduces emissions due to use of solar panels for power
- Enables greater on-site proppant storage volumes than traditional units
- Improves material inventory with integral weighing system
- Improves reliability through design simplicity

Improved Site Management and Environmental Stewardship

The demand for materials used for fracturing horizontal wells in shale plays can be a daunting topic when overlaid with the space constraints of most well site locations. Recognizing that proppant storage is a major space claim on a location, Halliburton has developed an innovative solution—the SandCastle PS 2500 proppant silo.

The new unit offers a reduced footprint with no volume compromise as compared to traditional horizontal proppant storage units. Space is saved by orienting the unit vertically once on location, as opposed to remaining in the horizontal (road) position during operation.

Powered by Solar Energy

This revolutionary SandCastle unit is able to transition itself from the horizontal position to the operating (vertical) position under its own power provided through a solar power system completely housed within the PS-2500.



The new SandCastle PS-2500 proppant storage silo enables using a smaller pad size for fracturing operations and enhances environmental performance. Using solar power reduces wellsite carbon emissions.

The unit requires no external power source to operate. This capability eliminates the diesel engine normally required for each conventional proppant handling/storage container.

Versatile and Connected for More Control

The SandCastle PS-2500 has a total working volume of 2,500 sacks (250,000 lb), divided into two separate bins. Proppant can be discharged from either bin at a rate of more than 200 sacks/min. This allows for a variety of downhole proppant concentrations at the high rates typically required in the fracturing of shale plays.

The unit includes an integrated weighing system that enables proppant volumes to be monitored in real time. This information can be routed to a Halliburton TechCommand® center for recording along with the other applicable job data.

For more information about the SandCastle PS-2500 proppant silo, contact your local Halliburton representative or email stimulation@Halliburton.com.

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