



SAMPLE STATION

**Make Plant Safety
Your Plants Priority >**

LSS-140-ST SAMPLE STATION



Productive Plants Sample Safely

In hazardous industries, nothing is more important than operator safety. The LSS-140-ST makes operator safety its highest priority by eliminating operator contact with high temperature, high pressure, high vacuum and high corrosive liquids during routine sample acquisition. Due to the design, Titan Salt's sample station increases safety for operators and sample accuracy for suspended solids. Accuracy ensures the crystallizer system is operating under optimum conditions and therefore prevents any, related, unexpected shutdowns. One of the world's largest salt producers uses this sample station, standard, in all newly developed systems and has implemented it in existing facilities for all of their sampling needs.

Advanced LSS-140-ST Features

- ✓ Eliminates hot slurry contact in sampling
- ✓ Increased accuracy in sampling
- ✓ Unique engineered design
- ✓ Resistant to thermal shock damage
- ✓ Increased safety for sample operators
- ✓ High velocity sample acquisition
- ✓ Intuitive customized options
- ✓ Reinforced Teflon cylinder
- ✓ Stainless steel frame [SS 316L]
- ✓ All wetted parts in SS 316L [Standard]
- ✓ Other materials available

How it Works

Our patented design is easily incorporated into your current sample area. The unit has two flanged connections for integration with the sample piping and a back mounted bracket to allow for easy installation on a column stand or existing column. Operating the LSS-140-ST begins by opening the discharge valve on the bottom and the top feed valve to allow sample product to flow through the sample station. Once a representative product is established the bottom valve is closed to allow the sample cylinder to fill to a desired height, then the top feed valve is closed. To remove a sample for analysis, the frame of the station is extended, and the sample cylinder is removed for transport to the lab. The sample data can also be obtained by visual observation with the LSS-140-ST's translucent graduated cylinder. Additional benefits are elimination of operator contact with high temperature slurry, increased sample accuracy and decreased sample time. After the sample data is collected the bottom valve can be opened and the sample can be drained from the sample cylinder into and outlet drain. The outlet drain is routed to either a trench or waste collection tank. Water lines can be easily integrated into the sample station for thorough washing after use.

Background

Titan Salt has taken samples for a wide variety of industrial services, including the hazardous chemical and waste industries. We have experience in taking liquid and slurry samples under high pressure, high vacuum, high temperature, as well as high corrosive environments. We understand the dangers associated with sampling hazardous liquids. We recognize the potential effects these dangers can have upon operators and to the surrounding plant community.

Titan Salt's Dedication to Quality

Titan Salt is dedicated to providing a sample station built to the highest standards of engineering design and fabricated with the highest quality engineering materials appropriate for every sampling application. Our products are designed to withstand corrosion, thermal shock, UV rays and premature aging. Titan Salt is committed to fabricating and providing a safe, secure product that will ensure the satisfaction and safety of each customer.



Plant Safety Starts with Safe Samples

Plant liabilities and high temperature slurry hazards are significantly reduced with the use and proper maintenance of the LSS-14-ST sample station. Our patented custom design seamlessly adapts to most industry's sample area. Sampling is the one point in the crystallization process that workers are required on a daily basis to risk coming in contact with high temperature slurry. Unsafely sampling high temperature slurry is a unnecessary risk occurring in industries that use crystallization to produce their products. The LSS-140-ST will eliminate this safety risk in your plant by providing engineering safety in addition to PPE safety.



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