

## Produced Sand Sampler



### **Sand Management**

Installed on the flow line of a producing well, the sand sampler lays the foundation for effective sand management to optimize production and ensure well integrity.

## Description

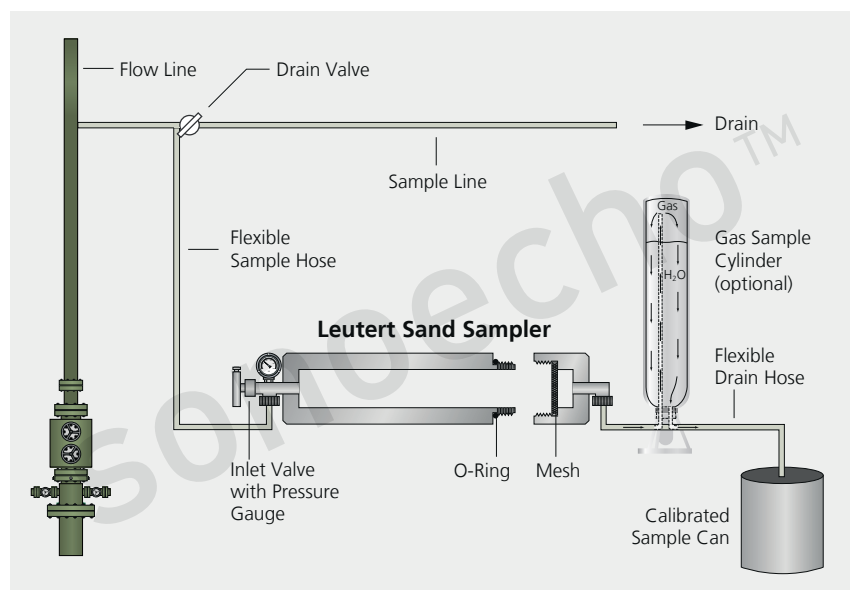
The Produced Sand Sampler is used to collect physical sand samples from the flow line of well. The sand sampler consists of a portable cylinder containing a mesh for capturing and quantifying solids in oil and gas streams. The mesh size can be changed for meshes with different mesh sizes. By changing the mesh size, a maximum amount of sand can be filtered without causing high pressure in the device due to clogging of the pores.

Effective sand sampling can help ensure flow security, allowing for improved production optimization. Sample analysis can provide valuable data to improve and extend the life cycle of deposits.

To operate the Produced Sand Sampler the flexible sample hose is connected to a sample point at the flow line and the sample device. The fluid is lead through the sand sampling device into a calibrated sample can. While the fluid is passing the sample device the sand will be collected inside the mesh. In case sand shall be sampled from a gas well a water filled Leutert Gas Sample Cylinder will be connected between the sample chamber outlet and the calibrated sample can.

Compared to ultrasonic sand measuring instruments which are clamped onto the flow line the Leutert Produced Sand Sampler is not flow dependent. This independence from flow is a clear advantage where flow is not known. This is especially critical when a new well is brought online. In this case the well is choked back, to minimize sand production, and the manual sampler is used each time the choke settings are opened to ensure, that no more sand enters the production process.

The Produced Sand Sampler can be installed to a manifold on request.



## Technical Specifications

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|                         |   |                                    |
|-------------------------|---|------------------------------------|
| Max. operating pressure | : | 5000 psi (345 bar)                 |
| Max. temperature        | : | 150 °F (65 °C)                     |
| Sample volume           | : | 300 cc, other on request           |
| Length                  | : | 19" (490 mm) incl. caps and valves |
| Diameter                | : | 3.5" (89 mm)                       |
| Weight                  | : | 26.5 lbs (12 kg)                   |
| Mesh size               | : | 20, 50, 100, 500 microns           |
| Medium                  | : | suitable for gas and oil           |

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