

## Produced Sand Sampler



### Sampling

The Leutert Produced Sand Sampler is used to collect physical samples of sand from the flow line of a well.

## Description

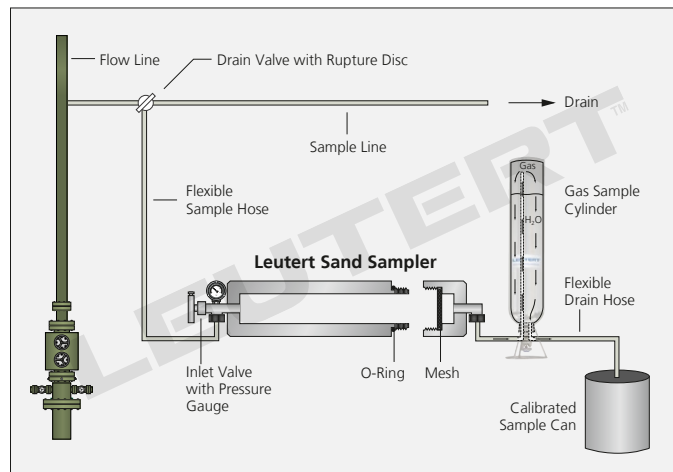
The Leutert Produced Sand Sampler is used to collect physical samples of sand from the flow line of a well. The sampler is used by many oil and gas companies due to its reliability. The volume of collected sand is representative and allows calculating the sand volume produced by a well. Sand samples should be taken from all wells routinely to determine which wells are causing sand build-up.

The flow-through sand sample cylinder is equipped with one inlet valve and an integrated mesh of different mesh sizes. The cylinder tube can be separated into two parts and the mesh may be changed. By changing the mesh size, a maximum of sand can be filtered without causing high pressure in the device by blocking the pores. The inlet valve of the sample cylinder is fitted with a rupture disc for any unforeseen pressure build-ups.

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

Max. operating pressure	: 2,900 psi (200 bar), other on request
Max. temperature	: 150 °F (65 °C)
Sample volume	: 300 cm <sup>3</sup> , 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