

Nitrogen Booster Station



Picture Courtesy of the Petroleum Engineering Department
at the Colorado School of Mines, Golden, CO USA



Sampling

The Leutert Nitrogen Booster Station is used to compress nitrogen into the sample chambers of the One Phase Samplers and Cylinders to a pressure rate above the well pressure.

Description

The Leutert One Phase Samplers and Cylinders allow over pressuring the samples after they're removed from the reservoir. The Sample chambers are pressurized across a piston with a nitrogen gas chamber. This compensates any temperature induced pressure drop (e.g. as the sample is returned to surface).

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Technical Specifications

Max. operating pressure	: 15,000 psi	1,034 bar
Test pressure	: 22,500 psi	1,551 bar
Max. operating temperature	: 212 °F	100 °C
Dimensions	: 25.6" x 11.8" x 9.8"	650 mm x 300 mm x 250 mm
Weight	: 50.7 lbs	23 kg
Material	: Stainless steel according to NACE MR-01-75	

Performance graph

