

Sample Oven

Prepares and dries drilling samples for storage and analysis

Applications

- Sample drying
- Onshore and offshore environments

Features and Benefits

- The oven holds up to 36 trays of samples at a time, which enables users to keep pace with the volume of sampling in demanding drilling environments.
- The oven is wall mounted for convenience and ease of use.
- Heaters in the deep-drawn ribs on all four sides of the oven uniformly and gently heat samples.
- The electronic proportional-integral-derivative (PID) temperature controller dries samples efficiently and consistently.
- The maximum temperature limit is 248°F (120°C) to meet DNV Zone 1 safety requirements.
- A quiet air turbine forces air circulation while mitigating noise.
- An integral auto-diagnostic system diagnoses faults quickly and reduces downtime.
- The oven has an integral digital switch-off timer and a built-in exhaust system.
- Dual over-temperature protection systems prevent a single fault from raising temperatures to unsafe levels.
- The oven has a fully insulated, stainless-steel door and textured stainless-steel casing.
- The extractor fan eliminates toxic or noxious fumes.



With the capability to hold 36 trays, the sample oven dries multiple drilling samples simultaneously.

Tool Description

The modular sample oven prepares and dries drilling samples for storage and analysis. It also detects faults for laboratory-quality analysis. The oven meets DNV Zone 1 safety requirements.

Specifications

Brand	Memmert
Model	UFB 400
Location	Mobile laboratory
Sample capacity	36 sample trays (0.2 lb [100 g] per tray)
Heating capacity	1,400 W (1.4 kW)
Temperature range	86 to 248°F (30 to 120°C)
Temperature accuracy	<1%
Power input	230 Vac (±10%), 50/60 Hz

