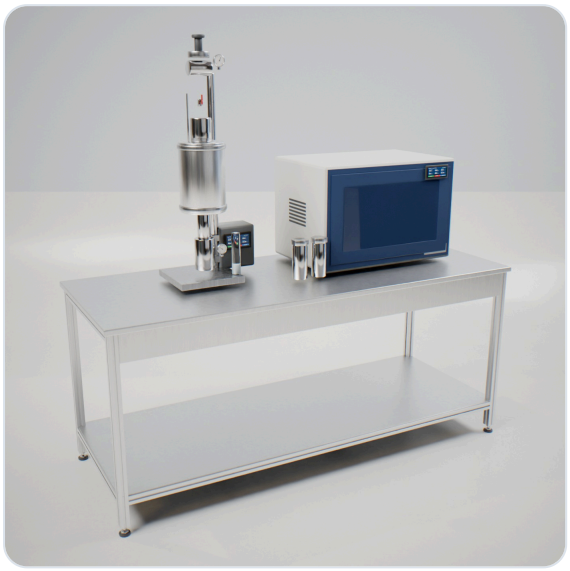
PRODUCT DATASHEET

Drilling-Fluid HPHT Filter Press and Ageing Cells

HPHT filter presses, ageing cells and roller ovens for mud laboratories

Product page





Close-up: HPHT cell and back-pressure receiver

OVERVIEW

The Tech Inc. Drilling-Fluid HPHT Filter Press and Ageing Cells equips a drilling-fluid laboratory for the tests that every mud programme relies on. The high-pressure, high-temperature (HPHT) filter press measures fluid loss through filter paper or a ceramic disc at bottom-hole temperature and pressure; ageing cells hold mud samples at temperature and pressure while a roller oven rolls them, so the mud's properties after days downhole can be measured.

TYPICAL DESIGN DATA

Temperature	To about 175 °C standard, 260 °C high-temperature
Pressure	Differential pressure about 35 bar; back pressure applied
Cell	Stainless steel or alloy for high temperature
Codes and standards	Test practice to API RP 13B-1 and 13B-2; cells designed with a safety factor at rated temperature
Filter media	Filter paper or ceramic discs
Ageing cells	About 260 or 500 mL, rated to about 260 °C
Roller oven	To about 260 °C, variable roll speed

MODELS AND CAPACITIES

- **TI-HFP-175** – filter press to about 175 °C and 70 bar
- **TI-HFP-AC** – ageing cells, about 500 mL
- **TI-HFP-260** – filter press to about 260 °C
- **TI-HFP-RO** – roller oven, five or more cells

Indicative rating.

ORDERING CODE

Example **TI-HFP-175-S**: **175** type: 175, 260, AC, RO; **S** material: S stainless, A alloy.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** permeability-plugging apparatus; extra ageing cells; alloy cells for high temperature; consumables contract.

KEY ADVANTAGES

- **Downhole conditions** – temperature and pressure
- **Standard practice** – API RP 13B test methods
- **Complete set** – press, cells and oven
- **Spares** – cells, seals and media

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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