PRODUCT DATASHEET

HPHT Cement Consistometer

Thickening time under downhole conditions





DETAIL – PRESSURE VESSEL CLOSURE

OVERVIEW

The Tech Inc. HPHT Cement Consistometer tests how long a cement slurry stays pumpable under the pressure and temperature it will meet in the well. The slurry turns in a rotating cup inside a pressure vessel, a paddle measures its consistency, and the test ends when the slurry reaches the target thickness.

MODELS AND CONFIGURATIONS

- **Standard HPHT model** – oil and gas wells.
- **Ultra-HPHT model** – deep and geothermal wells.
- **Atmospheric consistometer** – slurry conditioning.

TYPICAL DESIGN DATA

Model	TI-HPC-400 series
Pressure	Up to about 1400 bar (20,000 psi); higher on request
Temperature	Up to about 260 °C
Consistency	0 to 100 Bc
Standard	API RP 10B-2 test schedules

APPLICATIONS

Well cementing design, cement and additive development, and quality control for cementing service companies.

KEY ADVANTAGES

- **Realistic** – downhole pressure and temperature ramps
- **Automatic** – API schedules run by the PLC
- **Safe** – interlocks and relief
- **Supported** – calibration and service

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

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