PRODUCT DATASHEET

Core Saturator (Vacuum and High Pressure)

Fully saturated cores before every test





DETAIL – SATURATION VESSEL

OVERVIEW

The Tech Inc. Core Saturator (Vacuum and High Pressure) fills the pore space of rock cores completely with brine or oil. The cores are first evacuated in a sealed vessel, the liquid is drawn in under vacuum, and the vessel is then pressurised so that any remaining gas dissolves and the smallest pores fill.

MODELS AND CONFIGURATIONS

- **Manual saturator** – vacuum and hand pump.
- **Automated saturator** – programmed vacuum and pressure cycles.
- **Large vessel** – full-diameter cores.

TYPICAL DESIGN DATA

Model	TI-CS-500 series
Pressure	Up to about 200 bar (3000 psi)
Vacuum	Below about 0.1 mbar
Vessel	Holds up to about 12 standard plugs
Fluids	Brine, oil, water

APPLICATIONS

Preparing cores for porosity, permeability, capillary pressure, resistivity, NMR and flooding tests.

KEY ADVANTAGES

- **Complete** – vacuum then pressure
- **Batch** – many plugs at once
- **Simple** – robust manual or automated control
- **Safe** – relief valve and rated vessel

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

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