PRODUCT DATASHEET

Relative-Permeability and Core-Ageing System

Steady-state and unsteady-state relative permeability at reservoir conditions

Product page





Close-up: core holder in the oven and separator

OVERVIEW

The Tech Inc. Relative-Permeability and Core-Ageing System measures how oil, water and gas share the pore space of a core at reservoir conditions.

TYPICAL DESIGN DATA

Core size	1 and 1.5 inch diameter, about 25 to 150 mm long
Overburden	To about 700 bar
Pore pressure	To about 350 or 700 bar
Codes and standards	Pressure parts designed with a safety factor on burst; oven and electrics to IEC 61010
Temperature	To about 150 °C
Produced fluids	Separator with level detection, about 0.01 mL resolution
Wetted materials	Stainless, Alloy C-276 or titanium

MODELS AND CAPACITIES

- **TI-RPM-350** – pore pressure about 350 bar
- **TI-RPM-3P** – three-phase version
- **TI-RPM-700** – pore pressure about 700 bar
- **TI-RPM-AG** – ageing station, four to eight cores

Indicative overburden and pore-pressure rating.

ORDERING CODE

Example **TI-RPM-700-SU-C**: **700** pore pressure, bar; **SU** methods: S steady, U unsteady, SU both, 3P three-phase; **C** material: S stainless, C C-276, T titanium.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: three-phase separator; ageing station; x-ray-transparent core holder.

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

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