CEREST
Ingénierie Industrielle - Machines spéciales



TEST BENCH 10000 CYCLES

WATER HEATER PRESSURE TEST.

Mechanical engineering **Realizations** **Cabling** **Machines**

This equipment makes it possible **to test water-heater tanks** during ageing by making **a controlled and repetitive overpressure**.

A tank is placed in its housing. This tank is connected to the hydraulic circuit and then filled with water. A **motor coupled** to a connecting rod allows the tank to be pressurised via **a pneumatic lung**.

This system makes it possible to carry out pressure build-up cycles (16 bars max.) in order to test the ageing of a water heater tank over a lifespan representative of that expected (up to 30,000 cycles).

SPECIFICATIONS :

- **Tank capacity from 75 to 300 L**
- **Overall dimension: 2.2x1.05m**
- **Pressure : 16 bars**
- **Number of cycles, max. pressure, min. pressure adjustable in recipe.**
- **Automatic detection of full tank.**







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