

MTE - MODEL 5-ROLL ROLLER OVEN

DESCRIPTION

The MTE Model 5-Roll Roller Oven features a capacity of 16 pint jars or aging cells, 5-roll, for 230-volt AC, 50 cycles. Roller Ovens are well-insulated units designed for convenient use in the field or in the laboratory. These units can be designed to operate on 115-volt AC. A thermostat permits control of temperatures between 100 and 425° F. Attention has been given to the arrangement of gears, bearings, heating elements, etc, to provide simple maintenance.

Any fluid used in a well for the purpose of carrying (lifting or transporting) aggregate materials, i.e. drilling muds, lost circulation fluids, fracturing fluids, etc, should be evaluated for stability at temperature with time. Also it is important to determine the devicosifying T (break time) for any polymer fluids which the end- user does not want to remain in the well permanently to determine when is the best time to open the well and flow the broken gelled fluid back. Static measurements used for these studies are often not accurate - the roller oven keeps the fluid under constant dynamic conditions for these measurements/observations to be conducted. The MTE Model 5-Roll Roller Oven will rotate 16 jars at temperatures up to 425° F. The unit has a built-in 7-day clock which can be reset for long term studies. The unit is shipped as a single unit, spare parts to include one set of roller bearings.

PRODUCT FEATURES

Some features of the MTE Model 5-Roll Roller Oven are as follows:

- A digital thermometer that can be read directly from outside the oven, thus eliminating the need for continually opening the oven to check temperature.
- A seven-day clock that can be preset to start and end the test automatically without having an operator in constant attendance.
- Glass impregnated Teflon bearings for longer, trouble-free service at maximum temperature conditions.

Other features include an electronic thermostat that provides consistently uniform temperatures throughout the test and quality insulation and door gaskets that substantially reduce heat loss.