



MTE - HIGH PRESSURE CORE SATURATOR

MODEL No. CT-010

INTRODUCTION

In order to perform precise liquid permeability studies, it is imperative that the core be fully saturated with fluid. Frequently, it requires considerable time to obtain steady state conditions due to the presence of air within the core. The MTE High Pressure Core Saturator was specifically designed to fully saturate cores which greatly reduces the time necessary to induce steady state conditions. In addition, the use of this equipment dramatically improves the accuracy and reproducibility of test results.

DESCRIPTION

The MTE High Pressure Core Saturator can be utilized to saturate cores of varying sizes up to 4.75 inches in diameter with a maximum length of 30 inches. Multiple cores of varying sizes may be saturated simultaneously. The saturator test cell is constructed of high quality stainless steel and can be safely used to saturate cores up to a maximum pressure of 2000 psi. A vacuum pump is utilized to completely evacuate the test cell and pressure is increased by injecting the test fluid via a hand operated pump. All valves and tubing are constructed from stainless steel.

CERTIFICATION

Messina's manufacturing facilities employ designers, engineers, and craftsmen with many years of experience in designing "state-of-the-art" testing equipment. The MTE High Pressure Core Saturator is pressure tested and performance checked by Messina prior to shipment and is guaranteed against manufacturing defects. Each unit comes complete with operating/calibration instructions and spare parts list. Shipping dimensions are 28"W X 32"D X 34" H, shipping weight approximately 300 lb.