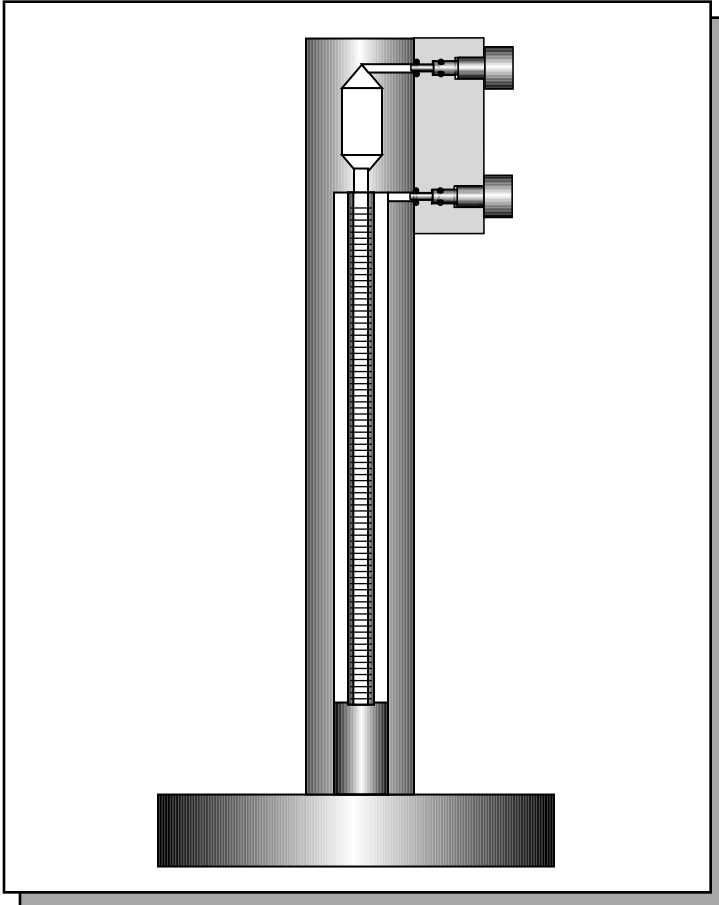


# ★ ★ New Product For Permeability Testing ★ ★

## PERMOMETER

P7000000



### SPECIFICATIONS REQUIREMENTS

### AND

connection requirement: connects to flexible-wall cell equipped with double drainage at specimen top and bottom

operating pressure range: 0 - 200 psi

volume change capability: 0.003 ml resolution  
0.75 ml flow before drain/refill

size: 6" W x 15" H x 6" D

shipping weight: 6 lbs

Need permeability test results quickly? Use the **PERMOMETER** and have results in 48 hours or less. Here's how.

In conventional permeability testing, most of the time is spent waiting: (1) for consolidation/swell to stop so that inflow and outflow are equal; and (2) for sufficient flow to occur so that volume changes can be measured. With the **PERMOMETER**, (1) is eliminated as inflow and outflow are forced to be equal, and the time for (2) is greatly reduced by increasing the flow measurement resolution to 0.003 ml.

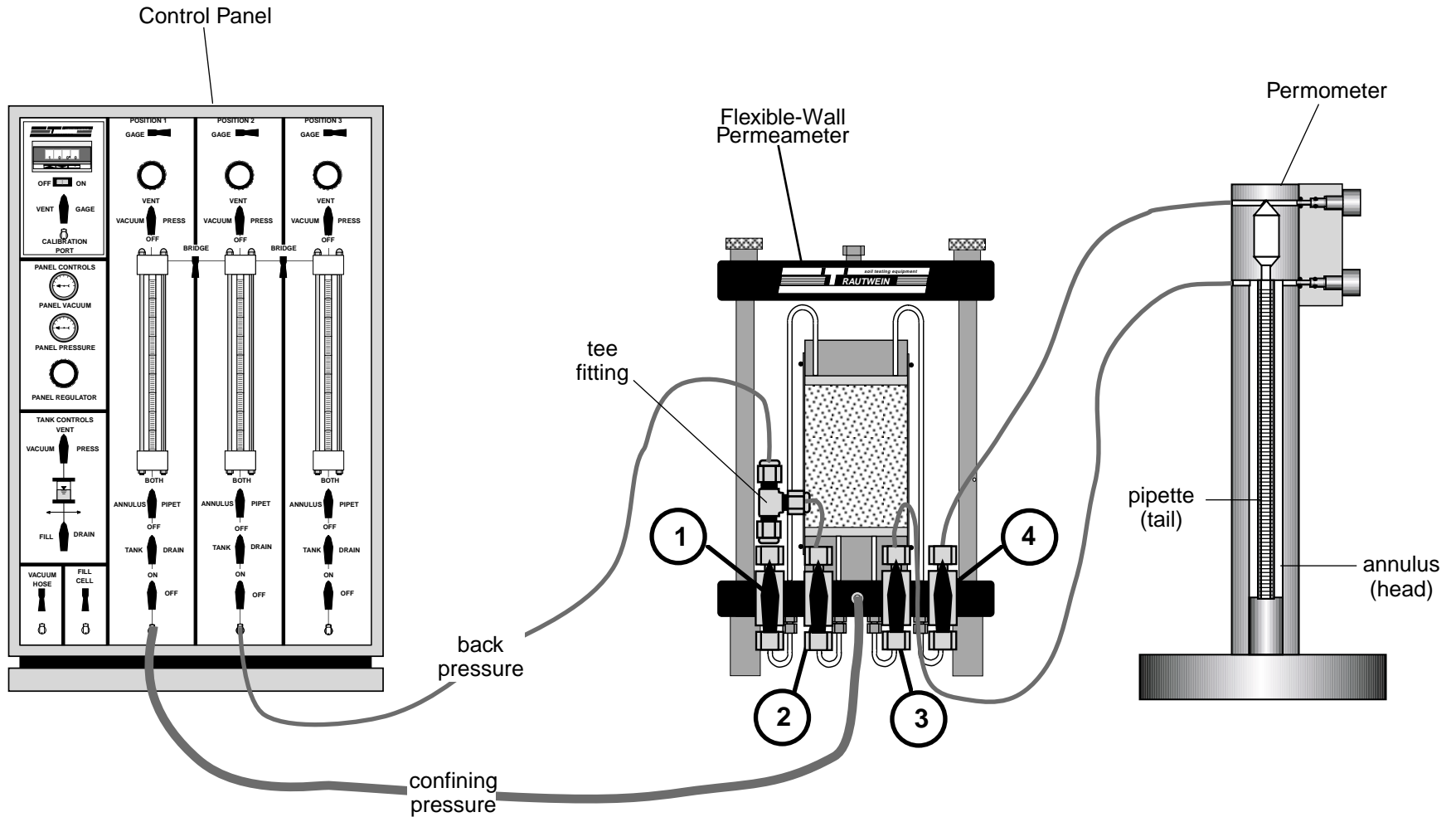
Here's how it works. The **PERMOMETER** is essentially a u-tube manometer in which one side of the u-tube connects to the specimen top and the other to the specimen bottom, forming a "closed loop". Permeation is initiated by displacing the mercury in the u-tube so that it is raised in the tail side and lowered in the head side. Flow occurs as the mercury columns return to the equilibrium position. The "closed loop" configuration forces inflow to equal outflow. Volume change is noted by tracking meniscus elevation changes in a precision bored pipette. Testing with the **PERMOMETER** conforms to ASTM D5084 and classifies as a falling head - increasing tail test, Method C. ASTM D5084 termination criteria are typically achieved within 1 to 24 hrs after specimen saturation.

The **PERMOMETER** is a stand alone device; no additional panel positions are required. In fact, system capacity is increased when using a **PERMOMETER** since the number of panel positions required per test is reduced from three to two.

All fittings and tubing are supplied along with a detailed set of instructions.

# PERMOMETER P700000

# New Product for Permeability Testing



Typical Set Up Of Permometer Connected To A Flexible Wall Permeameter With Four Drainage Valves