



Pressure Plate Apparatus for water retention studies

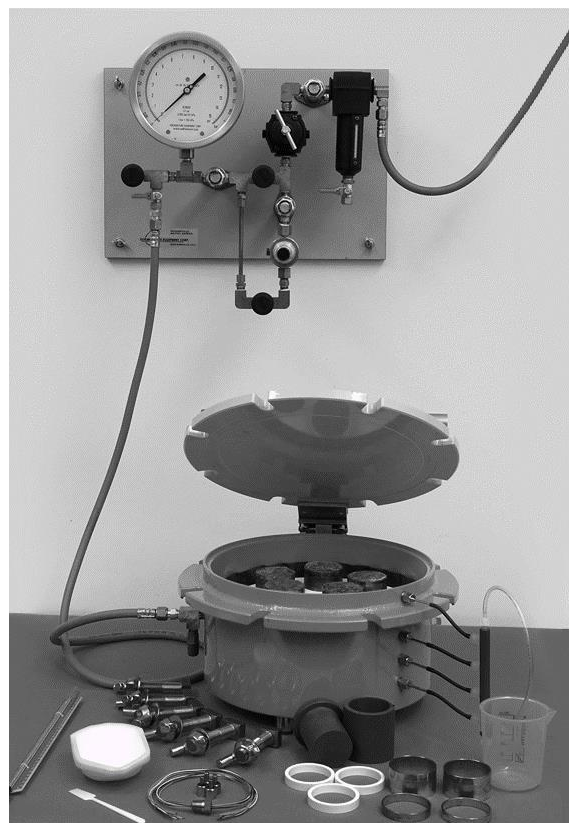
The characterization of soils according to their moisture holding capacities and moisture flow retention characteristics is essential for the development of effective irrigation and plant stress management for the commercial growing of food crops.

This is the quintessential basic laboratory equipment needed for scientific determination of soil water release / retention curves. Knowing the stress / water relationships directly affects yield and quality of the crop.

Being able to predict and manage crop stresses, will determine vitality and vigor. All this comes from knowing when and how to irrigate to achieve optimum yields and crop grades, all this using minimal water and pump time.

The Equipment Comprises of the following units:

- Pressure Plate Ceramic
- Extractors
- Control systems/ Manifold
- Air supply/ Compressor
- Accessories



Basic Configuration

Item	Quantity
Manifold To Run 15 Bar Extractor	1 unit
Compressor, 230 Volts, 50 Hz/60 Hz	1 unit
Extractor Pressure Plate Cell, 1 Bar Standard	1 unit
Extractor Pressure Plate Cell, 15 Bar Standard	1 unit
Connecting Hose, 60" Length, For 15 Bar Extractors	1 unit
Soil Sample Retaining Rings	48 rings
15 Bar Ceramic Plate Extractor Only, With Pressure Extractor Hinge	1 unit