



The 1500F2, 15 Bar Pressure Plate Extractor

DESCRIPTION

The 1500F2, 15 Bar Pressure Plate Extractor, is used to analyze the water-holding characteristics of soil samples throughout the pressure range of interest in most agricultural applications.

The pressure vessel is 4" (10 cm) deep and has an inside diameter of 12" (30 cm).

Up to 4 ceramic plates can be accommodated at one time, allowing approximately 36 2-1/4" samples to be analyzed simultaneously.

The Pressure Plate Extractor consists of a pressure vessel and lid, clamping bolts, O-ring seals, and outflow tube assemblies.

Specifications

Pressure Range: 0-15 bars.

Pressure Vessel inner diameter: 12", depth: 4".

Number of Samples: approximately 36, 2.25" diameter samples.

Weight: 90 lbs.

Dimensions: 19X19X16 inches.



1500F2, 15 BAR CERAMIC PLATE EXTRACTOR:

Water relationships are among the most important physical phenomena that affects agricultural production or structural characteristics of soils. The Model 1500 is used in laboratory study of these many physical relationships, as well as the extraction of soil solution for chemical analysis. For over 60 years universities, colleges, research institutes, and commercial labs around the world continue to rely on Soil moisture's pressure plate extractors to meet their needs. The extended height of the new Model 1500F2 now allows for 4 pressure plate cells increasing capacity by 25%. The model 1500F2 – 15 bar (1500 kPa) Pressure Plate Extractor is

the flagship of moisture retention analysis in the 0 to 15 bar range (theoretical wilting point for most plants). Designed to hold up to 48 – 0.4" (1 cm) height samples, 24 – 1.2" (3 cm) height core samples or 12 – 2.4" (6 cm) height cores. Choose plate cells from 0.5 bar, 1.0 bar, 1.0 bar High Flow, 3.0, 5.0 and 15 bars to suit your needs. You'll need to have a pressure manifold available, or select from our various models in the Air Distribution & System Manifold section of the catalog -of course you'll also need a compressor or compressed air tank as well.

0700CG23F1 PRESSURE REGULATING SYSTEM (MANIFOLD) TO RUN 1500F2 & 1600F1 EXTRACTORS

COMPRESSOR 20BAR, 230 VOLTS, 50/60 HZ

0500FG4 Air compressor for running Lab Setups. 20 Bar Air Compressor for running Laboratory Setups. Available 230V



Product Features:

The 0700CG23F1 Manifold is a combination manifold which combines the 0700G2 station and the 0700G3F1 station. The 0700G2 station is used to operate both the 1500F2, 15 Bar Ceramic Plate Extractor and the 1600F1, 5 Bar Pressure Plate Extractor. The 0700G3F1 station provides very precise, low-pressure regulation in the pressure range from 1 to 75 psi. It can also be used with the 1250, Volumetric Pressure Plate Extractor 1400 and 1450 Series, Tempe Pressure Cells.

Pressure Range: 1 to 75 psi. Weight: 28 lbs. Dimension: 37X19X13 inches



APPLICATIONS

- Soil Water Retention
- Soil Physics
- Mining

Contact info



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