

## Pressure Plate Extractors PE-3079



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## PE-3079 PRESSURE PLATE EXTRACTOR 15 BAR

### The world standard for obtaining water retention curves, and solution extraction

Water relationships are among the most important physical phenomena that affects agricultural production or structural characteristics of soils. The Model PE-3079 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 Soilmoisture's pressure plate extractors to meet their needs. The extended height of the new Model 3000F1 now allows for 4 pressure plate cells increasing capacity by 25%. The model PE-3079 – 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.

### ►► Specifications

15 BAR PRESSURE PLATE EXTRACTOR ONLY

18" L X 17" W X 14" H (45.72 cm X 43.18 cm X 35.56 cm), Weight:94 lbs (43 kgs)

### ►► Accessories

PRESSURE PLATE CELLS, choose from a wide selection for your unit. (See porous ceramic section)

RETAINING RINGS, 9" L X 9" W X 1" H (22.8 cm X 22.8 cm X 2.5 cm), Weight:94 lbs (43 kgs)

PM HINGE, 9" L X 5" W X 5" H (22.8 cm X 12.7 cm X 12.7 cm), Weight:5.38 lbs (2.44 kgs)

ELECTRICAL LEADTHRU 9" L X 5" W X 5" H (7.6 cm X 7.6 cm X 5 cm) ,Weight:0.08lbs (0.04 kgs)

## PE-3009 PRESSURE PLATE EXTRACTOR 5 BAR

The standard in obtaining water retention curves, solution extraction in the 0-5 Bar range



For many, their interests are concerned in the optimum plant growth range of 0-5 Bar soil suction range. For engineers it's the wet zone where soil behavior becomes unstable. The 1600 Pressure Plate Extractor is the choice of all worldwide when there's a need for careful and precise measurement of water retention, prepping for stability tests or pore water extraction. This versatile Pressure Extractor also finds application in the calibration of various moisture-measuring equipment assuring that the readings

match reality of soil moisture by volume or soil water tension. Easy to clean the epoxy coated interior and exterior complete with safety relief valve. The Model 1600 Pressure Plate Extractor allows analysis of the water-holding characteristics of soil samples in the 0 to 5 bar pressure range. The pressure vessel is 9" (22 cm) deep and has an inside diameter of 12" (30 cm). Up to 4 ceramic plates can be accommodated at one time, allowing approximately 48 each 2-1/4" (5.7 cm) diameter samples to be analyzed simultaneously. Requires a regulated pressure source for operation (see our Air Distribution and System Manifold of the catalog) and a compressor or compressed air tank.

### ►► Specifications

5 BAR PRESSURE PLATE EXTRACTOR ONLY

16" L X 16" W X 16" H (40.64 cm X 40.64 cm X 40.64 cm), Weight:46 lbs (21 kgs)

### ►► Accessories

PRESSURE PLATE CELLS, choose from a wide selection for your unit. (See porous ceramic section)

RETAINING RINGS, 9" L X 9" W X 1" H (22.8 cm X 22.8 cm X 2.5 cm), Weight:94 lbs (43 kgs)

PM HINGE, 9" L X 5" W X 5" H (22.8 cm X 12.7 cm X 12.7 cm), Weight:5.38 lbs (2.44 kgs)

ELECTRICAL LEAD THRU 9" L X 5" W X 5" H (7.6 cm X 7.6 cm X 5 cm) ,Weight:0.08lbs (0.04 kgs)

▶▶ **Regulatory compliances**



▶▶ **Corporate Social Responsibility**

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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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**HPLC Solutions    MultipleLabs    Analytical Bio-Med    Analytical Distributors    Analytical Foundation (Trust)**

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W: [www.ais-india.com](http://www.ais-india.com)  
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