



# FACT SHEET

## Sandbox set for pF determination

For the determination of the pF curve when researching the quantity of water available in the soil for plants and trees.



To establish the moisture characteristics of soil from pF 0 to pF 4.2

### Advantages

- Full set comprises of 3 elements which will determine the pF curve from pF 0 to pF 4.2.
- Elements of the set available individually
- Uses undisturbed samples 53 or 60mm (disturbed samples - membrane set)
- Up to to 40 samples allows for comprehensive research and effective averaging
- Set can be used extensively over a number of years
- Easy set up with detailed user notes.

### Disadvantages

- Set needs to be mounted on a level table, isolated from vibrations
- Depending on the set chosen additional equipment might be required like a balance, drying oven, soil sampling ring kit, soil sample rings and aluminium soil sample boxes.

### Specifications

- Complete set for pF determination pF 0 - 4.2 contains: sandbox (pF 0 - pF 2.0); sand/kaolin box (pF 2.0 - pF 2.7); membrane apparatus (pF 3.0 - pF 4.2); soil sample ring kit; cases with soil sample rings and aluminium soil sample boxes.
- Set for pF determination pF 0 - pF 2.0 contains: sandbox; suction levelling stand; water supply bottle with stand; filter cloth (140 - 150 micron); containers of synthetic sand.
- Set for pF determination pF 2.0 - 2.7 contains: sand/kaolin box; electronic suction level control system with integrated control panel; pressure sensor; containers with synthetic sand, kaolin clay.
- Membrane set for pF determination pF 3 - pF 4.2 contains: pressure membrane, 20 bar compressor; air filter; cellophane membrane; filter cloth; sythetic soil sample retaining rings.