



armfield

DEMONSTRATION INFILTRATION APPARATUS

FEL5
Provisional

*For the laboratory demonstration
of infiltration processes*

DESCRIPTION

The Armfield demonstration infiltration apparatus provides a simple but effective laboratory demonstration of the infiltration processes which are fundamental to any form of irrigation.

The unit comprises three transparent cylinders in which soil samples are placed. Water poured onto the soil surface can then be observed as it infiltrates the sample. Each cylinder features a graduated scale so that observations may be quantified. Each cylinder incorporates an air breather and a perforated base plate to facilitate drainage without undue soil loss.

SERVICES REQUIRED

Cold water supply

INSTRUCTIONAL CAPABILITIES

As a result of using this equipment researchers will be able to:-

- understand the effects of soil texture and structure on infiltration
- understand the effects of existing soil moisture conditions on infiltration.

ORDERING SPECIFICATION

Demonstration infiltration apparatus comprising: three graduated perspex cylinders, resting on a permeable support screen, into which soil samples are placed. The complete apparatus is supported by a metal stand and may be bench mounted; complete with user instructions and manual.

OVERALL DIMENSIONS

Height: 0.9m
Width: 0.5m
Depth: 0.4m

SHIPPING SPECIFICATION

Volume: 0.5m³
Gross weight: 70kg

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