

Delta-T ROOT WASHER

DESCRIPTION. Root Washer. Root washing is an essential but time consuming and labour intensive precursor to the measurement and analysis of root structure. Washing by hand is laborious and often results in the loss of finer material. The Delta-T Root Washer helps to automate the task of preparing roots for measurement and analysis and retains fine root filaments in a 500 micron mesh filter.

HOW IS IT USED? The Root Washer consists of four buckets with a central overflow downpipe and two nozzle jets. These are mounted on a corrosion resistance table with four filters mounted in funnels underneath.



Water is fed to the buckets via a series of hoses and connectors from a nearby mains water supply. The two jets in the base of the bucket create an upward swirling flow that teases the roots and soil apart. The lighter roots float up with the water flow, into the central overflow pipe and re caught in a 550 micron mesh filter in a funnel under the table.

The soluble fraction of the soil is washed through the filter. Gentle agitation by the operator helps free up the soil. The remainder of the roots, stones and debris remain in the bucket. Finally the water supply is turned off and the bucket emptied through the filter to catch the remaining roots.

The debris in the bucket is then dumped out and the cycle restarted. Depending on soil type, about 10 samples per hour can be washed.

Water mains pressure may be too low for optimal washing performance. The optional electric pump and recirculation tank ensure adequate pressure, with the further advantage of conserving water.

SPECIFICATIONS

<i>Part number</i>	<i>Description</i>	<i>Comments</i>
RWB	Root washer	Four bucket system. Requires source of pressurised water.

RELATED PRODUCT.

DTS	Delta T Scan	Scan root analysis system
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