▲ ALTEC [™]		Email : sales@equipmentsexporters.c Phone: +91-93114690
Product Name : Permeability and Fluidisation Stud	ies Apparatus	Product Code : ALABS-A104-337
	-	TM
	ALT	EC TM
Description :		
Permeability and Fluidisation Stu	dies Apparatus	
 Apparatus to verify Darcy's behaviour of a granular bed. 		e Kozeny's equation and to observe liquid fluidisat
 Equipment consists of a mer framework, constant head ta observation. Flow is indicate 	ank and transparent	test section for
• A 0.5m water differential n	nanometer and 0.5r	m Mercury manometer are included for pressure d

Description:

A bed of granular medium (usually sand,

but other materials can be used such as Ballotini or anthracite) is placed in a readily demountable tube through which water can be made to flow in either a downwards or upwards direction.Flow from a laboratory tap passes through a constant head tank, which also allows air bubbles to be released, and is controlled by hand with a needle valve. The rate of flow is indicated by a variable area meter. Pressure drop across the bed can be measured either by a 0.5m length water differential manometer or a 0.5m length Mercury manometer (see recommended accessories), depending on the magnitude. Valves are fitted for isolation of various parts of the circuit, together with air release valves. The test section tube and all tubing connections are transparent so that operation can be observed and the presence of air bubbles easily detected. All metal fittings are corrosion resistant. No power connections are required and the whole apparatus can be lifted and transported by one person. Test material (Ballotini) for the packed bed is supplied but Mercury for the manometer is not included.

Technical Details:

Sample tube I/D: 38mm

Sample tube length: 507mm

Flow Meter Range:

50-800ml/min

0.5m water differential manometer

0.5m Mercury manometer

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Equipments Exporters

Website: www.equipmentsexporters.com, Email: sales@equipmentsexporters.com Address: 75, Lajpat Nagar-IV, New Delhi-110024 Phone: +91-9311469084