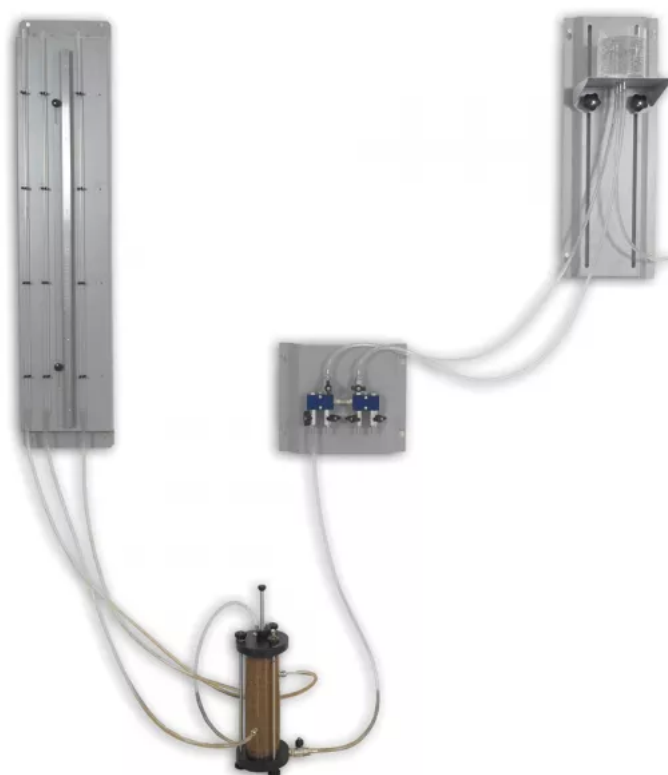


CONSTANT HEAD PERMEABILITY APPARATUS

Constant Head apparatus

This method describes a procedure for the determination of the permeability of water through granular (cohesionless) soils in a steady-state condition. The procedure is to establish representative values of the coefficient of permeability, k , of granular soils that may occur in natural deposits as placed in embankments, or when used as base courses under pavements. The determination of k was developed under the assumptions of the validity of Darcy's Law, which states that the coefficient of permeability is the ratio of the flow rate to the hydraulic gradient. In order to limit consolidation influences during testing, this procedure is limited to disturbed granular soils with permeability in range of 1 to 1×10^{-5} .



CONSTANT HEAD PERMEABILITY APPARATUS

SPECIFICATION

	Constant Head	
Permeability Cell	38-TO 184/C1*	Constant Head permeability cell, 75 mm internal dia., 3 take-off points.
	38-TO 184/(2	Constant Head permeability cell, 114 mm internal dia., 6+6 (blanked) take-off points.
Tank	38-TO 184/T*	Constant level tank. Complete with inlet, outlet, overflow, connecting tubing for the cell.
Manometer Stand	38-T0183/MS*	Manometer stand with 4 tubes positioning. Tubes, ruler and anchoring system has to be ordered separately.
		Dimensions: 1152 x 250 x 34 mm
Ruler	38-TO 183/R*	Ruler for T0183/MS
Manometer Tubes	38-T0183/6*	Manometer tube 6 mm dia. Connecting valve has to be ordered separately (T0183/6C)
	38-T0183/8	Manometer tube 8 mm dia. Connecting valve has to be ordered separately (T0183/8C)

38-TO 183/14	Manometer tube 14 mm dia. Connecting valve has to be ordered sepa.rately (T0183/14C)	
	Manometertube 22 mm dia. Connecting valve has to be ordered sepa.rately (T0183/22C)	
38-T0183/22		
Anchoring System	38-T0183/A	Anchoring system to fix manometer tubes with connecting valves onTO183/MS
* Included in 38-T0184/KIT1		

STANDARDS

- BS 1377:5
- EN 17892-11
- AASHTO T215
- ASTM D2434

ACCESSORIES

38-T0183/P

Control Panel used for saturating sample

ORDERING CODE

38-T0184/KIT1

Constant head apparatus kit. Include: constant head permeability cell, 75mm dia., Manometer stand with 3 manometer tubes 6mm dia. with ruler 1152x250x34 mm, Constant level tank assembled on height adjustable panel.

