

FLOWTRAC II

The FlowTrac II is an intelligent flow pump that regulates pressure and volume in a test cell automatically. It incorporates a high speed, precision micro-stepper motor and can maintain a desired pressure within 0.35 kPa (0.05 psi) while monitoring volume change within 0.001 cc (0.00003 fl/oz). FlowTrac II units are used to provide cell pressure and back pressure in triaxial testing, back pressure for constant rate of strain consolidation testing, pressure for Rowe Cell hydraulic consolidation, and cell pressure, inflow pressure, and outflow pressure for permeability testing.

Technical Specifications		
VOLUME CAPACITY		
250 cc (8.5 fl oz) or 750 cc (25.4 fl oz)		
PRESSURE CAPACITY		
200 psi (1400 kPa) or 500 psi (3500 kPa)		
FLOW RATE		
Min Speed	0.0003 cc/min	0.00001 fl oz/min
Max Speed	1054 cc/min	36 fl oz/min
MOTOR		
Micro-stepper system with built-in controls		
POWER		
110/220 V, 50/60 Hz, 1 phase		
DIMENSIONS		
203 x 406 x 470 mm (8 x 16 x 18.5 in)		
WEIGHT		
14 kg (30 lbs)		
INCLUDED		
<ul style="list-style-type: none"> • GeoNet-U USB 2.0 network adapter and cable to link to PC/laptop • Associated module to automatically run and report tests 		
WARRANTY		
12 month warranty; extended warranties available		
TESTING CAPABILITIES		
<ul style="list-style-type: none"> • Semi-Automated Permeability • Rowe Cell (Hydraulic) Consolidation 		
Addition of LoadTrac II or III:		
<ul style="list-style-type: none"> • Triaxial (UU, CU, CD) and Stress Path • Fully Automated Permeability • Constant Rate Consolidation • Cyclic Triaxial (with Electromechanical Actuator) 		



FlowTrac II System