

HYDROMETER JAR BATH



The **S1265** & **S1266** are designed to maintain constant temperature of 68°F (20°C) for particle size distribution test in accordance with ASTM and AASHTO specifications. Stainless Steel shelves hold one to ten jars. Immersion pump constantly circulates water vertically and horizontally during test. Temperature uniformity is insured to ± 0.5 C. Heat diffuser plate eliminates "hot spots". Tank capacity is 21.6 gal (82 L). Inside dimensions are 38" x 8" x 15-1/2" outside dimensions is 50" x 12" x 18" deep. All internal parts are stainless steel, exterior is enameled steel. Meets ASTM D-422; AASHTO T-88.

MODELS	DESCRIPTION	POWER	STANDARDS
S1265	HYDROMETER JAR BATH	115V / 60 Hz	ASTM D-422 / AASHTO T-88
S1266		230V / 50 Hz	

LIQUID LIMIT DEVICE

The characteristics of soils can be changed by the moisture content of the soil. The liquid limit of a soil is the moisture content in which a soil passes from the plastic state to the liquid state. This liquid limit device uses the Casagrande method in which a soil pat is placed in the brass cup, divided using the grooving tool, and then subjected to a series of blows from a given height against a rubber base of known rebound until the soil meets along a certain distance. The **S1451** durometer is used to test the hardness of the base of a Liquid Limit Machine. The durometer features sealed springs to maintain load deflection rate to a tolerance of .0004". The precision construction delivers lifetime accuracy. The **S1452** Resiliency Tester is used to test the hard rubber base of liquid limit machines, which should be performed at 90-day intervals to insure the base is in compliance with ASTM standards. The device consists of a clear acrylic plastic tube and cap, a 5/16" diameter steel ball and a small bar magnet.

MODELS	DESCRIPTION	STANDARDS
S1411	LIQUID LIMIT DEVICE W/ TOOL	ASTM D-4318 AASHTO T-89
S1412	LIQUID LIMIT DEVICE W/ COUNTER	
S1413	LIQUID LIMIT DEVICE W/ MOTOR, 110V / 60 Hz	
S1414	LIQUID LIMIT DEVICE W/ MOTOR, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
S1415	GROOVING TOOL, PLATED STEEL (AASHTO)
S1425	GROOVING TOOL, FLAT W/ HEIGHT GAUGE (ASTM)
S1427	PLASTIC GROOVING TOOLS, PKG 10
S1416	EXTRA CUP, LESS HANGER
S1417	EXTRA CUP W/ HANGER
S1418	EXTRA CUP, W/ SLIDE
S1419	BASE W/ RUBBER FEET FOR S1411
S1451*	DUROMETER
S1452	RESILIENCY TESTER

*S1451 MEETS ASTM D-4318 & D-2240



S1411



S1425



S1415



S1451



S1452