

BLAINE FINENESS DEVICE



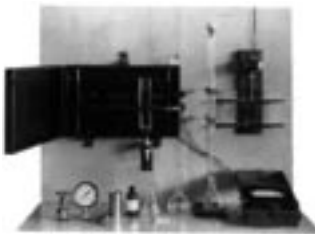
The **C2301** Blaine Fineness Device determines fineness of Portland cement in terms of specific surface expressed as total area in square centimeters per gram of cement. The device consists of a calibrated U-tube manometer, ground glass joint, stainless steel test cell and plunger, rubber aspirator bulb and perforated disc. Includes 8 oz. bottle of red manometer fluid, filter paper, wood block for holding test cell during filling and funnel.

MODELS	DESCRIPTION	STANDARDS
C2301	BLAINE FINENESS DEVICE	ASTM C-204 / AASHTO T-153

ACCESSORIES	DESCRIPTION
C2302	CELL AND PLUNGER
C2304	EXTRA FILTERS, 500/PK
C2305	STANDARD SAMPLE, 20 VIALS
C2309	EXTRA MANOMETER TUBE

WAGNER TURBIDIMETER

For determining the fineness of Portland Cement by the turbidimeter. The turbidimeter is an apparatus used for measuring the light that passes through a suspension of pulverized material dispersed in a suitable medium. A Microammeter measures current generated in the cell; indicated reading is measure of turbidity of the suspension. Includes photoelectric cell and light source in metal cabinet, timing burette and stand, wet sieving assembly including gauge and spray nozzle, microammeter, 3 calibrated flasks, 4 test tubes, stirring device and instruction book. Available in 110V/50-60 Hz (**C2401**) or 220V/50Hz (**C2402**). Please specify type needed.



MODELS	DESCRIPTION	STANDARDS
C2401	WAGNER TURBIDIMETER, 110V / 60 Hz	ASTM C-115 / AASHTO T-98
C2402	WAGNER TURBIDIMETER, 220V / 50 Hz	

FLOW TABLES

These flow tables have many different applications which include compression strength and air content tests of cement mortar; flow tests of hydraulic cement mortars; consistency test of magnesium oxychloride cements; flexural strength test for bond strength of mortar to masonry units. The flow table is available in manual (**C2601**), motorized (**C2611** & **C2612**), and motorized with counter (**C2615** & **C2616**). All models have a table top which is cast bronze and 10" in diameter. The tables have a cam and shaft set for a 1/2" drop. Manual type has a hand wheel while the motorized types are available in 110V/60Hz or 220V/50Hz (please specify model needed) has a speed of about 100 rpm. The motorized flow tables with automatic counter stops the motor after a preset number of drops. The table is furnished with a cast bronze flow mold, but does not include the flow caliper.



C2601

C2615

MODELS	DESCRIPTION	STANDARDS
C2601	FLOW TABLE, MANUAL	ASTM C-87, C-109, C-110, C-185, C-230, C-243, C-348, C-598 / AASHTO T-71, T-106, T-137, M-152
C2611	FLOW TABLE, 110V / 60 Hz	
C2612	FLOW TABLE, 220V / 50 Hz	
C2615	FLOW TABLE W/ COUNTER, 110V / 60 Hz	
C2616	FLOW TABLE W/ COUNTER, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
C2618	EXTRA CONE MOLD
C2621	CALIPER FOR PERCENT FLOW

AUTOMATIC VICAT RECORDING APPARATUS

The **C3505** & **C3506** Automatic Vicat Recording Apparatus have a distinct advantage over the traditional manual types. Since manual types give inevitable differences in the test execution it is quite difficult to test the setting time of an hydraulic binder with accurate results. Air pockets, mixtures and clots create problems for determining precisely the initial and final setting times. The **C3505** & **C3506** executes the tests fully automatic, which offers absolute precision and eliminates manual error. The mold with the specimen has a spiral movement allowing 90 needle penetrations always in a different position. The probe weight is 300 gm and the needle has an end diameter of 1 mm. The penetration cycle of the probe is 30 seconds or at time intervals of 1, 5, 10, 15, or 30 minutes for each penetration. The chart rotates 2.5 mm for each penetration. The lower horizontal line corresponds to maximum needle penetration. At the end of the test the drum automatically returns to the original position. The set is furnished with 50 charts, two needles, two molds, glass plate and one writing pencil with set of leads. Dimensions: 200mm x 350mm x 420mm.



MODELS	DESCRIPTION	STANDARDS
C3505	VICAT RECORDING APPARATUS, 110V / 60 Hz	ASTM C-91, C-187, / AASHTO T-131 / EN-196 / DIN -1164. 1168 / NF P 15-414, P 15-431 UNE-80102 / BS-4550 / D.M. 3/6/68
C3506	VICAT RECORDING APPARATUS, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
C3507	VICAT NEEDLE, 1MM ST. STL.

MODIFIED VICAT CONE PENETROMETER APPARATUS



The **C3517** Modified Vicat Cone Penetrometer for mortar and masonry features a 10 cm scale with an aluminum cone and attached plunger. The total weight of the plunger assembly is 200 g. The apparatus also includes a frame, moveable rod with variable weights and plunger assemblies. Also featured is a 400 ml measure for sampling as specified by ASTM C-780.

MODELS	DESCRIPTION	STANDARDS
C3517	MODIFIED VICAT CONE PENETROMETER	ASTM C-780

WATER RETENTION DEVICE



The **C3751** is a device used in specification tests of masonry cement and physical testing of quicklime and hydrated lime. The unit consists of an aspirator (with mercury column relief), a 3-way stopcock, rubber gasket, flask, brass funnel, perforated brass dish, mercury manometer (indicates vacuum), associated hardware, with a wooden stand.

MODELS	DESCRIPTION	STANDARDS
C3751	WATER RETENTION DEVICE	ASTM C-91, C-110, C-207, E-149

ACCESSORIES	DESCRIPTION
C3752	FILTER PAPER, GRADE 95, 15 CM, 100/PKG