

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

WET WASHING SIEVES



G1951 & G1958

Used for wet sieving of soil, cement and fine aggregates. In accordance with ASTM and AASHTO requirements, sieves have deep frames to prevent loss of fines when washing and have a brass frame and bronze or stainless steel mesh (see models for description). The **G1968** is the Corps of Engineers type wet washing assembly. It has a capacity of 10 to 12 lbs. and includes a 12" dia. brass frame with a #200 mesh detachable screen with a coarser mesh backing at the bottom. The **G1968** is 10" deep and is supplied with an overload screen at the midpoint. A wet washing attachment (**G1969**) is also available. The attachment provides a fine spray at controlled pressure for efficient washing and protection of fine sieve cloth. The attachment consists of a spray nozzle, gauge, fittings and valve with NPT pipe thread.



G1968



G1969

MODELS	DESCRIPTION	DIA.	MESH	HEIGHT	STANDARDS
G1951	WET WASHING SIEVE, BRASS FRAME	3"	#200 BRASS	3"	ASTM C-92, C-115 C-430, C-618, C-786 AASHTO M-150, T-98, T-192
G1955	WET WASHING SIEVE, BRASS FRAME	8"	#200 BRASS	4"	
G1955A	WET WASHING SIEVE, BRASS FRAME	8"	#200 ST. STL.	4"	
G1955C	WET WASHING SIEVE, BRASS FRAME	8"	#200 BRASS	6"	
G1956	WET WASHING SIEVE, BRASS FRAME W/ BRASS BACK-UP	8"	#200 ST. STL.	4"	
G1956A	WET WASHING SIEVE, BRASS FRAME W/ ST. STL. BACK-UP	8"	#200 ST. STL.	4"	
G1957	WET WASHING SIEVE, BRASS FRAME	8"	#200 BRASS	8"	
G1957A	WET WASHING SIEVE, BRASS FRAME	8"	#200 ST. STL.	8"	
G1958	WET WASHING SIEVE, BRASS FRAME W/ BRASS BACK-UP	8"	#200 BRASS	8"	
G1958A	WET WASHING SIEVE, BRASS FRAME W/ ST. STL. BACK-UP	8"	#200 ST. STL.	8"	
G1959	WET WASHING SIEVE, BRASS FRAME	2"	#325 ST. STL.	3-5/8"	
G1960	WET WASHING SIEVE, BRASS FRAME	12"	#200 ST. STL.	4"	
G1960B	WET WASHING SIEVE, BRASS FRAME W/ ST. STL. BACK-UP	12"	#200 ST. STL.	4"	
G1968	WET WASHING SIEVE, BRASS FRAME CORPS OF ENGINEERS TYPE	12"	#200 BRASS	12"	

ACCESSORIES

DESCRIPTION

G1969	WET WASHING SIEVE APPARATUS
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PORTABLE SCREEN SET

The **G2051** Portable Screen Set is used for sieving coarse aggregate in the field. The 12" screen pan has handles and the collector pan has rockers. The set is furnished with interchangeable screen. Includes 3" (76.1mm), 2" (50.8mm), 1-1/2" (38.1mm), 1" (25.4mm), 3/4" (19mm) 1/2" (12.7mm), 3/8" (9.51mm), and #4 ASTM interchangeable screens. Screens are held in place by a locking device and can be clamped into the frame for easy carrying and storage.



MODELS

DESCRIPTION

G2051	PORTABLE SCREEN SET
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ACCESSORIES

DESCRIPTION

G2052	EXTRA SCREEN, 3"
G2053	EXTRA SCREEN, 2"
G2054	EXTRA SCREEN, 1-1/2"
G2055	EXTRA SCREEN, 1"
G2056	EXTRA SCREEN, 3/4"
G2057	EXTRA SCREEN, 1/2"
G2058	EXTRA SCREEN, 3/8"
G2059	EXTRA SCREEN, #4



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