

VACUUM PYCNOMETER, 2,000 GRAM

This vacuum pycnometer is used to determine the theoretical maximum specific gravity of bituminous paving mixtures by Pennsylvania test method # 740, a modification of AASHTO T-209. The pycnometer has a sample capacity of 4.4 lbs (2 kgs) with maximum aggregate size of 3/4" (19.1 mm). The unit consists of a transparent top for visual inspection, a vacuum gauge with quick disconnect fitting, a water inlet valve, hoses for the water and vacuum valves, and an aspirator pump. The unit has an aluminum volumetric canister that measures 7^{-1/2}" I.D. x 6" deep.



MODELS	DESCRIPTION	STANDARDS
B5551	VACUUM PYCNOMETER, 2000 G	ASTM D-2041 / AASHTO T-209, T-283 / PA 740

ACCESSORIES	DESCRIPTION
B5551A	O-RING FOR PLASTIC LID
B5551B	IN-LINE VACUUM GAUGE, 0-30 HG, 2" DIA
G8201	VACUUM PUMP, 2 STAGE, 110V / 60 Hz
G8202	VACUUM PUMP, 2 STAGE, 220V / 50 Hz
G8270	VACUUM PUMP, OILLESS 2 STAGE, 110V / 60 Hz
G8274	VACUUM PUMP 1/3 HP, 2 STAGE, 110V / 60 Hz

VIBRATING TABLES

The **B5552** vibrating table is used in conjunction with the with the **B5541** 6000 gram Vacuum Pycnometer. The heavy duty construction keeps sample material loose for more reliable test results. The tables feature a strong vibrators and sturdy bases with integral on/off switch. Exclusive quick release cam/lock fasteners allow quick placement and removal of canister. The open-end model has a sliding scale and is graduated above and below zero to 130 x 1 mm. The **B5542** & **B5543** vibratory tables are used with the **B5551** 2000 gram Vacuum Pycnometer. The pycnometer canister is held to the table via clamps. The table vibrates 3,000 times per minute and is available in 110V/60Hz. The **B5554** Vibro-Deairator is designed for consistent shaking of Rice test vacuum pycnometers while freeing the lab technician for other work. It is also a useful deaeration device for specific gravity tests of fine aggregates (ASTM C-128) and soils (ASTM D-854), for sample preconditioning per ASTM D-4867 and AASHTO T-283. Case has built-in 0 to 99 min., 59 sec. digital timer with 0.25 sec. accuracy, vibration speed control, and a 3-position switch for manual or timed operation—all front panel mounted for ease of use. Speed control allows setting of agitation to avoid stripping of asphalt. The **B5554A** Adapter Set is used with Filter Flasks, Volumetric Flasks, LeChatelier Flask, mason jar pycnometers. Special "speed knobs" tighten easily to secure the pycnometer. After a few loosening turns, they tilt and slide for quick removal. The unit is fully grounded and fused. The aluminum case has rubber feet; no mounting is required.



B5542 & B5543



B5552



B5554

MODELS	DESCRIPTION
B5542	VIBRATING TABLE, 3000 VPM, FOR USE WITH B5541 , 115V / 60 Hz
B5543	VIBRATING TABLE, 2400 VPM, FOR USE WITH B5541 , 230V / 50 Hz
B5552	VIBRATING TABLE, FOR USE WITH B5551 , 110V / 60 Hz
B5554	VIBRO DEAIRATOR

ACCESSORIES	DESCRIPTION
B5552A	FLASK ATTACHMENT, FOR USE WITH B5552
B5554A	ADAPTER SET FOR 2LT / 4LT FLASK, FOR USE WITH B5554

TACHOMETER, VIBRA-TAK

The **C5448** tachometer instantly checks for speed in RPM, vibration in CPM, efficiency of equipment, location of "dead spots" and unwanted vibrations. The tachometer is precision built of high stress aluminum. The steel wire reed with knurled tuning slide are the only moving parts. Its small size allows the operator to take accurate readings even on hard-to-reach equipment. The scale gives readings from 2,000 to 21,000, higher speeds can be closely estimated.



MODELS	DESCRIPTION
C5448	VIBRA-TAK TACHOMETER

VIBRATING TABLES

This cushioned impact vibrating table is used to settle concrete in beam forms and cylinder molds. The high-speed (3,600 vpm) of these tables along with a controlled low-amplitude that does not exceed 1/16" linear vibration, produces a gentle setting action. The table size is available in 20" X 20" or 30" X 30" models, and is also available in 115V/60Hz or 230V/50Hz models. The table has a low amplitude power of vibration and is controlled by a rheostat in the electrical control box.



MODELS	DESCRIPTION	SIZE
C5451	VIBRATING TABLE, 115V / 60 Hz	20" X 20"
C5452	VIBRATING TABLE, 230V / 50 Hz	
C5455	VIBRATING TABLE, 115V / 60 Hz	30" X 30"
C5456	VIBRATING TABLE, 230V / 50 Hz	

STEEL CARRYING CARTS

The **C5481** single shelf carrying cart with a capacity of up to 800 lbs is constructed from #13 gauge steel and formed on all four sides. The end rack is constructed of angle iron with straps. The **C5482** double shelf carrying cart has a capacity of 800 lbs and is also constructed from #13 gauge steel.



C5481



C5482

MODELS	DESCRIPTION
C5481	STEEL CARRYING CART, SINGLE SHELF 20" X 42"
C5482	STEEL CARRYING CART, DOUBLE SHELF 22" X 36"