

SPECIFIC GRAVITY BOTTLE

The **B5501** (Hubbard) featuring a straight side is for determining the specific gravity of road oils, tar, asphalt and cement. The solid stopper has a hole approximately 1.6 mm in dia. through the center to allow air to escape. The **B5511** (Hubbard-Carmick) features a tapered side utilized for determining the specific gravity of viscous and semisolid bitumen.



B5501



B5511

MODELS	DESCRIPTION	STANDARDS
B5501	SPECIFIC GRAVITY BOTTLE, STRAIGHT SIDE	ASTM D-70, D-115, D-234 / AASHTO T-43, T-228
B5511	SPECIFIC GRAVITY BOTTLE, TAPERED SIDE	

ORBITAL SHAKERS

The **B5518** Digital Big Bill® Orbital Shaker is the new alternative to the Rice Test equipment. The shaker is compact and well designed to provide a uniform balanced shaking motion. The speed controller provides accurate regulation of the shaker speed from 40 to 400 rpm and is displayed on a large LED readout. Also featured, is a built-in timer which can be set for continuous operation or for timed shaking up to 60 minutes. The exterior is constructed from molded polyethylene that will not chip, rust or corrode. The drive mechanism produces 3/4 inch diameter circular motion and is counter balanced to ensure smooth, vibration free operation at any speed. Power is delivered by a 1/50 HP motor and runs off of 120V-50/60Hz. The shaker dimensions are 11" x 13-1/2" x 7". The combination platform allows you to design your own platform to meet specific shaking requirements. The **B5522** dedicated platform rotates on nine sealed bearings and is 13" x 11" and is furnished standard with clamps for four 2 liter Erlenmeyer flasks. The combination platform is 18" x 18". The clamps (**B5524**) for 4,000 ml flasks are used in conjunction with the combination platform to securely hold glassware in place while shaking. The clamps have four prongs and are constructed from stainless steel and also includes a retaining spring for extra grip.



B5518



B5520 - B5521

MODELS	DESCRIPTION
B5518	DIGITAL BIG BILL® ORBITAL SHAKER
B5520	BENCH TOP ORBIT SHAKER, 120V / 50-60 Hz
B5521	BENCH TOP ORBIT SHAKER, 240V / 50-60 Hz

ACCESSORIES	DESCRIPTION
B5522	DEDICATED PLATFORM
B5523	COMBINATION PLATFORM
B5524	4000 ML ERLLENMEYER FLASK CLAMP FOR B5523
B5518A	ACCESSORY CLAMP, 2000 ML FOR B5518

VACUUM PYCNOMETER, RICE TEST



This large capacity vacuum pycnometer is used to determine the theoretical maximum specific gravity of bituminous paving mixtures. The pycnometer has a sample capacity of 13 lbs. (6 kgs) with maximum aggregate size of 2" (50 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 approximate volume of 10 liters. The maximum clearance above plate is 7-3/4". The dimensions are 9-7/16" I.D. x 12-1/8".

MODELS	DESCRIPTION	STANDARDS
B5541	VACUUM PYCNOMETER (RICE TEST)	ASTM D-2041 / AASHTO T-209, T-283

ACCESSORIES	DESCRIPTION
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