Specific Gravity and Fine Aggregate Kit— H-3373A
Same Kit as above, 230V 50/60Hz— H-3373A.4F
Kit designed to provide you with the major equipment to do specific gravity and absorption of fine aggregate testing. The kit includes a H-3360 Conical mold and tamper; H-3381 Pycnometer Top and 1 Qt. (.95L) glass jar, HB-4533 .1g readability, 2600 gram scale; H-30120 Lab Oven, and H-3966 3/4" (19mm) sample splitter. Meets ASTM C128, AASHTO T84. Shipping wt. 95 lb (43kg)


H-3373A

Conical Mold and Tamper— H-3360
Used for determination of bulk and apparent specific gravity and absorption of fine aggregate, brass mold is 40mm ID at top, 90mm ID at bottom, 75mm high. Steel tamper weighs 12 oz (340g) and has 1" dia. (25mm) flat circular tamping face. Meets ASTM C128; AASHTO T84.

Mold Only— H-3361
Tamper Only— H-3362


H-3360

Pycnometer Top and Glass Jar— H-3381
Pycnometer top and 1qt. (.95L) glass jar set for determining specific gravity of fine aggregate. Top is spun brass with 3/8" (10mm) hole in one end; threaded end fits 1- or 2-qt. (1 or 2L) glass jar. Includes rubber gasket that fits on jar mouth to prevent fine particles from becoming deposited in the threads. Meets ASTM C128. Order jars separately.

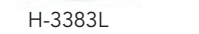
Glass Jar— H-3380.2
1qt. (.95L) glass jar. Meets ASTM C128.

Pycnometer Top Only— H-3380


H-3383F

H-3381


H-3380


H-3383L

Specific Gravity Flask for Fine Aggregate— H-3383F
Specific Gravity Flask for Larger Aggregate— H-3383L
The Phunque Flask is the key element in a newly developed method for conducting specific gravity/absorption determinations for aggregate. This method has been designed to eliminate the inherent guess work built into ASTM C128 and AASHTO T-84— the current cone and tamper methods in use today. The new test is easy to perform, easy to understand and easily reproduceable between technicians and labs. The test is very easy to run and can be reliably run in the field. This can be especially helpful in asphalt operations where specific gravities can make a big impact on pay factors. This test lets the contractor check specific gravities on the material he is currently using, not lab tests, which may not be current. The H-3388F is for fine aggregate and has a neck approximately 1" in diameter. The H-3388L is used for coarse aggregate and has a neck approximately 2" in diameter. The scale on both items is readable to 0.1 grams; Both include an excel calculation sheet and a swabbing utensil to keep the neck of the flask dry during loading.

SSDetect™ Bulk Specific Gravity and Absorption of Fine Aggregates Test System— H-3384
The SSDetect system is a two-part, automated system that determines: Bulk S pecific Gravity (dry), Bulk Specific Gravity (SSD), Apparent Specific Gravity, and Absorption of the fine aggregate, all in about one hour. The SSDetect "directly measures" the saturated surface dry condition of the fine aggregate, which is done by way of an infrared light source "tuned" to water. This infrared signal "looks" at the surface of the aggregate for traces of water, and, by measuring the amount of infrared reflectance, the saturated surface dry condition can be accurately measured. The process involves two samples of a desired material, dried to a constant mass. One sample is placed in the unit's volumetric flask and mounted to the mixing platform of the Automated Vaccum Mixer (AVM), which determines the Apparent Specific Gravity condition. The second sample is placed in the SSD Device where information derived from the AVM test is entered. The SSD Device mixies the sample and injects small amounts of water, allowing the material to absorb water until it reaches the Saturated Surface Dry condition. Once The infrared signal detects a stable SSD condition has been reached the unit will automatically stop and alert the user. The test bowl is then removed and weighed, the net weight of the material is the weight at SSD.


H-3384