

# BARNSTEAD INTERNATIONAL

## “Your Lab Starts Here”

Barnstead International is the largest laboratory equipment manufacturer in the World. Supplying water purification, constant temperature, rotating, mixing, and temperature measurement equipment for every type of research and quality control laboratory in the World. Our products assist University researchers as well

as private industry and Government institutions. Barnstead international has been manufacturing laboratory products since 1878. With state-of-the-art manufacturing facilities located in the heartland of the U.S. Barnstead International strives to provide solutions for our customers.



### *It's Rock Science, Not Rocket Science!*

#### **The Thermolyne SSDetect System**

A revolutionary 2-part system for determining the Bulk Specific Gravity and Absorption of Fine Aggregate. (AASHTO-T84 and ASTM C-128) Traditional and alternative methods utilize secondary, physical and empirical properties, to determine the Saturated Surface Dry condition. The Thermolyne SSDetect system is the ONLY system on the market today that DIRECTLY measures the SSD condition. This is done through an infrared detection system tuned to water. The Thermolyne SSDetect system has just completed a 10 lab

Nation-Wide Round-Robin study conducted by NCAT. The SSDetect system was found to be 50% more repeatable and reproducible than the T84 method performed in the study.

### *The World Market Leader*

#### **Thermolyne NCAT Asphalt Content Furnace**

Run with the market leader! The Thermolyne NCAT Asphalt Content Furnace has set the standard for the asphalt industry in the determination of asphalt content by the ignition method. The Thermolyne NCAT furnace is the most environmentally friendly product on the market today for determining asphalt content by the ignition method. Backed by an independent laboratory study, the patented ceramic filter and high temperature afterburner combination provides the best emissions reduction of any product for this application today. Fast, accurate and repeatable results along with the rugged and modular construction, makes the Thermolyne NCAT asphalt content furnace the asphalt producer's best friend. Plus, our award winning customer and technical service is always there to keep your paving operation on the move. Be the best, buy the best, Thermolyne!!



#### **Thermolyne Large Capacity Ovens**

The Thermolyne LC oven series was developed with the Construction Materials laboratory in mind. These ovens come in three sizes, 8, 12.5 and 18 cu ft. Heavy duty shelves come standard with the ability to hold over 100 Lbs per shelf!

The LC-18 also comes with three stainless steel temperature probes inside the chamber for monitoring your SUPERPAVE mixes for optimum compaction temperature. Each probe is connected to a digital display located on the control panel so you can observe the temperature of your load without ever having to go into the oven. This saves time and money. Temperature uniformity of  $\pm 3$  deg C is standard for all three units. Start-up timer and single set point P.I.D. digital controller are standard equipment on these ovens.



### *SOLVENT-FREE CLEANING OF ORGANICS!*

#### **Thermolyne Pyroclean**

Barnstead International is now manufacturing the PYRO-CLEAN product family for cleaning organic material from glassware and metal tools.

PYRO-CLEAN

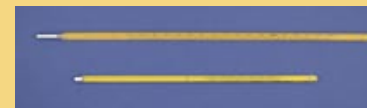
- Analytical
- Environmental Research
- Organic
- Polymer
- Medical
- Testing
- Industrial
- Asphalt

#### **Saybolt Viscosimeter**

For performing Saybolt viscosity testing on asphalt emulsions. New digital temperature controller provides excellent temperature control of oil bath. Units are available in either two-tube or four-tube configuration. Each unit comes with three gallons of oil, free!

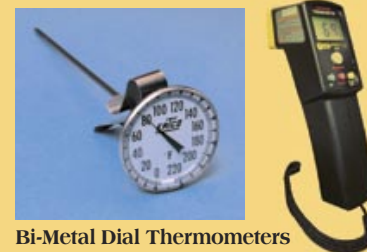


#### **ASTM Thermometers**

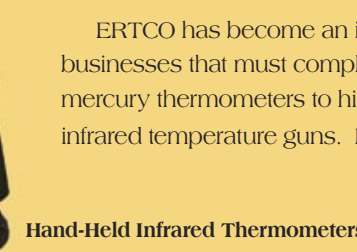


#### **ERTCO Thermometers**

ERTCO has become an industry leader in producing certified thermometers for businesses that must comply to stringent regulatory specifications. From ASTM mercury thermometers to high precision spirit filled thermometers and hand held infrared temperature guns. ERTCO has the product to suit your needs.



Bi-Metal Dial Thermometers



Hand-Held Infrared Thermometers

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