

# WATER IN PETROLEUM PRODUCTS & BITUMINOUS MATERIALS BY DISTILLATION



*K31800 Metal Still*

## Dean & Stark Moisture Test Apparatus

- Conforms to ASTM D95 and related specifications
- Consists of 400mm condenser, 10mL receiver, 1000mL flask and mounting equipment.

| Ordering Information                |                        |
|-------------------------------------|------------------------|
| <b>Catalog No.</b><br><b>K31830</b> | Dean & Stark Apparatus |

## Test Method

Determines the water content in petroleum products, tars, emulsified asphalts and other bituminous materials by the distillation method.

## Distillation Apparatus

- Conforms to ASTM D95, E123, D244 and related specifications
- Consists of still, ring burner, glassware and all mounting hardware.

## Specifications

Conforms to the specifications of:

ASTM D95, E123, D244, D370\*; AASHTO T55, T59; API MPMS Ch. 10.5; IP 74, 291; FTM 791-3001; ISO 3733; NF T 60-113

\*requires different glassware—information is available upon request.

## Shipping Information

K31800: Shipping Weight: 10 lbs (4.5kg)

Dimensions: 1.3 Cu. ft.

K31810/K31820: Shipping Weight: 18 lbs (8.2kg)

Dimensions: 2.8 Cu. ft.

| Ordering Information                |  |                       |
|-------------------------------------|--|-----------------------|
| <b>Catalog No.</b><br><b>K31800</b> | Metal Still<br>Plated brass and copper, with lid and clamp assembly, gasket and O-ring seal. | <b>Order Qty</b><br>1 |
| <b>K31910</b>                       | Ring Burner, 5" (12.7cm) dia.  | 1                     |
| <b>K31810</b>                       | Glassware Set<br>Includes 400mL condenser, 10mL and 25mL receiving traps                     | 1                     |
| <b>K31820</b>                       | Mounting Equipment<br>Consists of stand and connecting hardware                              |                       |

## GENERAL PURPOSE HEATER

### Utility Heater

- For general laboratory applications
- Precise, reproducible settings
- 1000W or 1250W nichrome heater option
- Accepts flat bottom and round bottom beakers and flasks

Variable control electric heater designed for efficient, reproducible heating of flat bottom and round bottom beakers and flasks. Electronic unit control with reference dial permits fine temperature adjustment and accurate repeatable settings. Includes porcelain refractory heater with nichrome element (1000W or 1250W) and refractory support plate that reverses to accept different size beakers and flasks. Polished stainless steel housing has cooling vents and two dovetail clamps to accommodate accessory support rod. Line switch and 6ft. (1.8m) three-conductor line cord and plug are included.

Electrical Requirements: **CE**

115V 60Hz

220-240V 50/60Hz

**Dimensions** lwxh,in.(cm)

5x5x10 (12.7x12.7x25.4)

Net Weight: 4½ lbs (2.0kg)

### Shipping Information

Shipping Weight: 8 lbs (3.6 kg)

Dimensions: 1.5 Cu. ft.

| Ordering Information                |                                     |
|-------------------------------------|-------------------------------------|
| <b>Catalog No.</b><br><b>K42000</b> | Utility Heater, 115V 60Hz, 1000W    |
| <b>K42001</b>                       | Utility Heater, 115V 60Hz, 1250W    |
| <b>K42090</b>                       | Utility Heater, 230V 50/60Hz, 1000W |
| <b>K42091</b>                       | Utility Heater, 230V 50/60Hz, 1250W |



*K42000 General Purpose Utility Heater*