

## RAMSBOTTOM CARBON RESIDUE OF PETROLEUM PRODUCTS

### Test Method

Determines the 'carbon residue' left after evaporation and pyrolysis of a sample oil in the Ramsbottom furnace, providing an indication of the deposit forming tendencies of fuels and guidelines for the processing of refinery products.

### Ramsbottom Carbon Residue Apparatus

- Conforms to ASTM D524 and related specifications
- Microprocessor temperature control with digital display and overtemperature cut-off

Thermostatically controlled coking furnace for five samples. Cast-iron block type furnace reaches the standard test temperature of 550°C (1022°F) rapidly and controls with ±1°C stability. Microprocessor temperature control has °C/°F switchable digital setpoint and display. Operator and equipment are protected by an overtemperature control circuit which automatically interrupts power to the unit should block temperature exceed the programmed cut-off point. *Communications software (RS232, etc.), ramp-to-set and other enhanced features are available as extra cost options. Contact your Koehler representative for information.* Heavily insulated stainless steel cabinet with three-layer refractory top provides excellent heat retention.



*K27100 Ramsbottom Carbon Residue Apparatus*

#### Ordering Information

Catalog No.		Order Qty
<b>K27100</b>	Ramsbottom Carbon Residue Apparatus, 115V 60Hz	1
<b>K27190</b>	Ramsbottom Carbon Residue Apparatus, 220-240V 50/60Hz	1
<b>Accessories</b>		
<b>332-007-001</b>	Coking Bulb Borosilicate Glass, with capillary Conforms to ASTM D524 specifications	5
<b>362-010-001</b>	Sample Charging Syringe	1
<b>382-018-001</b>	Needle, 18 gauge, 2"	1
<b>K27320</b>	Coking Bulb Filling Device Convenient time saving device fills up to five coking bulbs at a time. Ideal for viscous fluids that are difficult to handle at room temperature.	1
<b>K27200</b>	Control Bulb Stainless steel, with IC thermocouple. May be used with a thermocouple pyrometer* to verify compliance of the furnace with ASTM performance requirements.	1
<b>K29310</b>	Digital Thermometer, 115V	
<b>K29319</b>	Digital Thermometer, 220-240V <i>*The K29310 Digital Thermometer is suitable for this purpose.</i>	

### Specifications

Conforms to the specifications of:

ASTM D524, D6074; IP 14; ISO 4262; FTM 791-5002; NF T 60-117

Furnace Type: Cast iron block

Capacity: 5 coking bulbs

Maximum Temperature: 650°C (1200°F)

Controller Sensitivity: ±1°C (± 2°F)

Heater: 0-2400W, ceramic band heater

Electrical Requirements: **CE**

115V 60Hz, Single Phase, 20.8A

220-240V 50/60Hz, Single Phase, 10.9A

### Dimensions l x w x h, in.(cm)

16x21½x14½ (41x55x37)

Net Weight: 64 lbs (29kg)

### Shipping Information

Shipping Weight: 78 lbs (35kg)

Dimensions: 8.2 Cu. ft.



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