

Carbon Residue by Ramsbottom - RCRT 1 (manual)

ASTM D 524, ISO 4262, FTM 791-5002, IP 14, NF T60-117, BS 4385 (obs.)

Product group(s): Constituent, Fuel, Oil

User group(s): Diesel, Engine Oil, Fuel, Lube Oil, Oil, Petroleum, Power Generation, Turbine Fuel

Scope: This test method covers the determination of the amount of carbon residue left after evaporation and pyrolysis of an oil, and is intended to provide some indication of relative coke-forming propensity.

This test method is generally applicable to relatively nonvolatile petroleum products, which partially decompose on distillation at atmospheric pressure.

Petroleum products containing ash-forming constituents as determined by Test Method D 482, will have an erroneously high carbon residue, depending upon the amount of ash formed.



Ramsbottom Carbon Residue Test Equipment

More details are mentioned in the "Order Number" section

Main Unit

13-0870 **RCRT 1 - Ramsbottom Carbon Residue Apparatus**
ASTM D 524 - FTM 791-5002 - IP 14 - ISO 4262 - NF T60-117

Consisting of:

Coking Furnace:

with of a heating block of solid cast iron in ventilated and insulated lagged stainless steel housing with 5 bulb wells (4 each for coking bulbs and one for the control bulb).

Indicating and Control Unit:

with heating control, thermocouple with temperature compensation, digital display of true temperature in the range of 0 ... 760 : 1 °C.

Supplied with:

- 30 coking bulbs of heat-resistant glass
- 1 control bulb, made of stainless steel
- 1 sample charging syringe

Power supply: 230 V, 50/60 Hz

13-0871 **RCRT 1 - Ramsbottom Carbon Residue Apparatus**
Like 13-0870 but:

Power supply: 115 V, 50/60 Hz

Options & Accessories

13-0899 **Coking Bulb ASTM**
heat resistant glass, Ø 24,7 ±0,5 mm, pack of 50

13-0894 **Filling Device for 5 coking bulbs**

Spare Parts

13-0884	Control Bulb stainless steel with fitting tube for thermocouple
13-0885	Syringe, 10 ml for sample introduction, heat resistant up to 250 °C
13-0874	Thermocouple (iron ceramic-constantan) with ceramic insulator, including certificate
50-5316	Tongs for handling the coking bulbs made of stainless steel

Order Guideline

Minimum equipment: 13-0870 or 13-0871
 Spares (approx. 1 year): 13-0874, 13-0898
 Additional requirements: