

SEDIMENT

16120-2 SETACLEAN TOTAL SEDIMENT TESTER

ASTM D4870; IP 375; IP 390 (Procedure A); ISO 10307; BS 2000 Part 375; NF M07-063

- Measures sediment up to 0.5%_{m/m}
- Sample viscosities up to 130_{mm²/s}
- 10g sample size
- Two test stations

A compact bench-mounted unit for determining the insoluble material content of distillate and residual fuel oils.

Consists of two filtration cells, heating (steam) and cooling (water) circuits, and a vacuum circuit with Buchner flask and gauge. Each filtration cell comprises a steam heated/water cooled brass cup with a sintered brass disc to support the microfibre filters. Temperature test points are fitted into the steam input lines, and a digital indicator and probe are available as an accessory.

SUPPLIED WITH: Buchner flask with safety cover, 2 filtration cells, 100 filters, and instruction manual.



SETAPLUS EXTENDED WARRANTY AVAILABLE

SPECIFICATIONS

Test samples:	10g
Waste flask capacity:	500ml
Filters:	2 per cell 47mm dia., Whatman type GF/A
Services:	Steam 100°C Vacuum 40kPa absolute pressure Cooling Water - ambient temperature
Connections:	10mm dia. riffled nozzles
Size (HxWxD):	40 x 47 x 18cm
Weight:	8kg

21300-0 SETA EXTRACTION APPARATUS

ASTM D473; IP 53; API 2561; ISO 3735; BS 4382 (obs); FTM 791 3002; NF M07-010

- Sediment content of crude and fuel oils

Determines sediment content of crude oil and fuel oils by extraction with toluene. The sample is placed in a refractory thimble and washed with condensed toluene vapours leaving only insoluble matter, the residue is calculated as a percentage of the total mass. Comprises a tinned copper condenser coil, alumina refractory thimble of porous grade and an Erlenmeyer flask of one litre capacity.

ACCESSORIES - Extraction Apparatus

REQUIRED

- 21310-0 BASKET THIMBLE SUPPORT, ribbon type.
21320-0 WATER CUP, glass, pack of 5.

OPTIONAL

- 25000-3 SETA-HOT, 1000W, variable heat control, (for details see page 137).
21300-001 THIMBLE, with certificate of conformity.
99100-2 ANALYTICAL BALANCE, (for details see page 141).



16120-2

ACCESSORIES - Setaclean Total Sediment Tester

REQUIRED

- 14030-2 AIR PUMP, (for details see page 136).
16130-3 SETA STEAM GENERATOR, (for details see page 137).
16150-2 THERMOMETER, stirring-type as required by test method, 94 to 106°C.

THERMOMETER:

ASTM22C/IP42C

Note: Other items which may be required include: Dessicator, Beakers, Syringe, Weighing bottles, Forceps, Hotplate, Solvents, Mixer.

OPTIONAL

- 16125-0 DIGITAL THERMOMETER AND PROBE, to monitor steam input temperature.
99100-2 ANALYTICAL BALANCE, (for details see page 141).
99200-2 LABORATORY OVEN, (for details see page 137).
99224-0 ULTRA STIRRER & STAND

- Voltage:** 110/120V, 50/60Hz
220/240V, 50/60Hz
Power: 500W
Size (HxWxD): 24 x 65 x 80cm
Weight: 1.6kg
Speed: 3,400 - 24,000 rpm

- 45000-0 SETAPLUS EXTENDED 12 MONTH WARRANTY

OPTIONAL - IP 390 (Procedure A); ISO 10307-2 only

- 16155-4 SETA FUEL OIL AGEING BATH, with 6 air wells for 3 duplicate tests. microprocessor controlled heater/stirrer is at 120°C ±0.5°C. Features low liquid and over temperature protection.
Voltage: 110/120V, 50/60Hz
220/240V, 50/60Hz
Power: 1500W
Size (HxWxD): 27 x 35 x 35cm
Weight: 10.5kg
16156-0 CONICAL FLASK, pack of 10.
16157-0 AIR CONDENSER, glass, pack of 10.



21300-0, 21310-0 and 21320-0

SPECIFICATIONS

Size (HxWxD):	20 x 13 x 13cm
Weight:	1.5kg