



# SETASTILL DISTILLATION APPARATUS

ASTM D86; D216 (Obs); D447 (Obs); D850; D1078; E133; IP 123; IP 191; IP 195; EN 3405; BS 2000, Parts 123, 191 and 195; BS 658; BS 7392; ISO 198; FTMS 791b Method 1001; NF M07-002; JIS K2254



- DISTILLATION UNIT TO THE LEFT
- AMBIENT TO 400°C DISTILLATION RANGE
- OBSERVATION WINDOW
- ADJUSTABLE HEIGHT HEATER/ FLASK PLATFORM
- INTEGRAL COOLING FAN

The distillation unit comprises a flask support mechanism, heater elements, and the heater controller. The flask is supported by a drop-in ceramic-glass support board mounted to a platform that is adjustable for height.

The quartz enclosed heating elements are also attached to the platform, and are powered by a solid-state energy regulator and calibrated control.

The condenser unit is attached to the distillation unit, and may be used with either a static fill of coolant or a laboratory cooling supply.

Housed within the condenser unit is a thermally-insulated, stainless steel cooling tank, fitted with a permanently installed condenser tube.

The Condenser Lid incorporates a position to mount the Seta-Orbis Digistill Thermometer (see over page) to provide optional semi-automated data logging.



**STANHOPE-SETA**



# TECHNICAL EXCELLENCE FROM STANHOPE-SETA

## REQUIRED ACCESSORIES FOR ASTM D86

### SETA CERAMIC GLASS FLASK SUPPORT BOARDS

- 11808-0 25mm hole, 152 x 152mm
- 11809-0 32mm hole, 152 x 152mm
- 11811-0 38mm hole, 152 x 152mm
- 11812-0 50mm hole, 152 x 152mm
- 11813-0 70mm hole, 152 x 152mm

### DISTILLATION FLASK STOPPERS

- 11804-0 FLEXIBLE STOPPER CAP, for side arm, pack of 10
- 11806-0 THERMOMETER CENTRING DEVICE, for straight neck flask
- 11807-0 THERMOMETER CENTRING DEVICE, for NS type flask

### DISTILLATION FLASKS

- 11950-0 100ml, pack of 5
- 11940-0 125ml, NS type, pack of 5
- 11890-0 125ml, straight neck, pack of 5
- 11960-0 200ml, E133, pack of 5
- 11962-0 200ml, D850, pack of 5
- 11970-0 250ml, pack of 5

### RECEIVERS

- 22159-0 25ml, parallel, pack of 3
- 22160-0 100ml, parallel, pack of 3
- 22161-0 200ml, parallel, pack of 3
- 11910-004 100ml, crow-type, pack of 2

### Seta Product Ref: 11860-3

#### Optional Accessories:

#### 11869-0 D86 Distillation Kit

125ml Distillation Flask NS 19/26, Thermometer centring device NS 19/26, 5 Flexible Stopper Caps for side arm, 100 ml Receiver, 2 Flask Support Boards 38mm & 50mm, ASTM7C Thermometer, ASTM8C Thermometer.

11865-3 Seta Condenser Lid, with thermometer support and receiver stand

11866-0 Seta Anti-Splash Plate, for 100ml receiver, pack of 3

11867-0 Tempen Digital Thermometer, for condenser

11868-0 Heat Shield, Setastill, for ASTM D447  
99300-2 Mini Low Temperature Bath/Circulator, to provide chilled water for the condenser

99910-0 Portable Digital Barometer

97005-0 Seta-Orbis Digistill Thermometer

#### SPARES:

11860-006 Viewing Window

11860-204 Heater 1000W

11860-207 Energy Regulator

## SETA-ORBIS DIGISTILL THERMOMETER (97005-0) ASTM D86; IP 123; ISO 3405

- EQUIVALENT TO ASTM 7C/F OR 8C/F THERMOMETERS
- 28 X 100 READING MEMORY
- SELECTABLE BAROMETRIC CORRECTION MODE
- REMOTE BUTTON
- FINAL BOILING POINT DETECTION AND LOSS CORRECTION
- ABSOLUTE OR SIMULATED ASTM TEMPERATURES
- AUTOMATIC TEMPERATURE PROBE CALIBRATION
- PRESSURE CALIBRATION FACILITY



The Seta-Orbis Digistill D86 controller is a bench top unit designed for automated reading of atmospheric distillation data from a manual distillation instrument in accordance with ASTM D86 and equivalent methods.



# STANHOPE-SETA

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