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# SETA EXISTANT GUM SOLID BLOCK BATH

ASTM D381-IP 131; IP 540; BS 2000 Part 131; BS 4348 (obs);  
ISO 6246; DIN 51 784; NF M07-004; FTM 791 3302; JIS K2261



- 5 TEST STATIONS
- INTEGRAL STEAM SUPERHEATER
- DIGITAL TEMPERATURE CONTROL
- 140 TO 260°C TEMPERATURE RANGE
- FLOW GAUGE CALIBRATED FOR AIR AND STEAM

**A Solid Block Bath designed to carry out up to five simultaneous tests for determining existent gum content in fuels by the Jet Evaporation method.**

The unit comprises a solid block bath with integral superheater, removable taper-fit conical steam/air jet adaptor with copper screens, and a steam/air flow control valve and gauge. The bath has five test wells, and a thermometer well. Outlets can be individually checked for uniform flow of air or steam. The bath has a temperature range of 140 to 260°C, and is controlled by a digital temperature controller which displays both the set temperature and the actual bath temperature measured by a probe. The flow of steam or air is adjusted by an inlet control valve and monitored on a Bourdon gauge calibrated for both air and steam.

## 12200-3 SETA EXISTENT GUM SOLID BATH

ASTM D381-IP 131; IP 540; BS 2000 Part 131; BS 4348 (obs); ISO 6246; DIN 51 784; NF M07-004; FTM 791 3302; JIS K2261

- 5 Test stations
- Integral steam superheater
- Digital temperature control
- 140 to 260°C temperature range
- Flow gauge calibrated for air and steam

A Solid Block Bath designed to carry out up to five simultaneous tests for determining existent gum content in fuels by the Jet Evaporation method.

The unit comprises a solid block bath with integral superheater, removable taper-fit conical steam/air jet adaptor with copper screens, and a steam/air flow control valve and gauge. The bath has five test wells, and a thermometer well. Outlets can be individually checked for uniform flow of air or steam. The bath has a temperature range of 140 to 260°C, and is controlled by a digital temperature controller which displays both the set temperature and the actual bath temperature measured by a probe. The flow of steam or air is adjusted by an inlet control valve and monitored on a Bourdon gauge calibrated for both air and steam.

**SUPPLIED WITH:** a Bourdon gauge type flow indicator, calibrated for both air and steam, five steam/air jet assemblies, five borosilicate glass beakers and an instruction manual.



CALIBRATION & VERIFICATION MATERIALS



SETAPLUS EXTENDED WARRANTY AVAILABLE

## SPECIFICATIONS

Operating temperature range:	140 to 260°C ±5°C
Heaters:	2 x 1kW
Over-temperature cut-out:	280°C (adjustable)
Air/Steam inlet:	15mm o.d pipe
Flow indicator:	Calibrated for min. and max. air and steam flow
Power:	2kW
Voltage:	110/120V, 50/60Hz 220/240V, 50/60Hz
Size (HxWxD):	45 x 35 x 50cm
Weight:	45kg



12312-0



12200-3

## ACCESSORIES - Existent Gum Solid Block Bath

## REQUIRED

- 12311-2** INSTALLATION KIT, connects bath to steam generator and comprises all tubes, valves, filters and regulators needed for a typical installation.
- 12312-0** BEAKER EXTRACTION TOOL, for removal of beakers from solid block bath.

## THERMOMETERS:

ASTM3C/IP73C or ASTM3F/IP73F

*Note: Other items which may be required include: Cooling Vessel, Glass Filtering Funnel, Special detergent or chromic acid, Solvents*

## OPTIONAL

- 12310-3** STEAM GENERATOR, electrically heated with water feed pump, safety valve (preset at 1 bar), water level control and cut-out. Produces 18kg/hr (40lb/hr) of steam at 100°C. Maximum working pressure 10 bar (150lb/in<sup>2</sup>).
- Voltage:** 380/415V, 50/60Hz, 3 phase  
**Power:** 12kW  
**Size (HxWxD):** 64 x 61 x 91cm  
**Weight:** 111kg
- 12314-0** ROTARY COMPRESSOR
- Voltage:** 240V, 50Hz  
**Power:** 2.2kW  
**Size (HxWxD):** 47 x 27 x 70cm  
**Weight:** 41kg  
**Output:** 0.24 m<sup>3</sup> per min Air  
**Rated Operating Base:** 10 bar
- 15650-0** WATER PURIFIER, minimises scale formation and connects in-line to water supply. Maximum inlet pressure 5 bar (75psi) and flow 60/hr. Comprises fitting kit and filter cartridge.
- 99100-2** ANALYTICAL BALANCE, (for details see page 141).
- 99200-2** LABORATORY OVEN, (for details see page 137).
- 45001-0** SETAPLUS EXTENDED 12 MONTH WARRANTY

## CALIBRATION, VERIFICATION &amp; TRAINING

- 12250-0** SETA CALIBRATED AIR FLOWMETER, for calibrating and verifying the flow. Precision flowmeter with negligible back pressure (below 1kPa), graduated at 510, 600 and 690 ml/s.
- Size (HxWxD):** 57 x 14 x 17cm  
**Weight:** 2.3kg
- CALIBRATION CERTIFICATE (WORKS)
- 12255-0** SETA STEAM CALIBRATION KIT, connects to the bath jet assemblies and is supplied with a 2 litre graduated cylinder for calibrating and verifying the flow/volume of steam.