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PRODUCT DATA SHEET
Catalogue reference for product evaluation

Phone: +91 7015865225 **Email:** info@scienticoindia.com **Web:** scienticoindia.com **Address:** #71, Industrial Area, Ambala Cantt, Haryana, India

Small Steam Generator | ThermoFlux-24

Category: Thermodynamics Lab Equipment · **Order Code:** THERMOFLUX-24 · **Country of Origin:** India

Product Overview

The Small Steam Generator ThermoFlux-24 is a compact laboratory steam source providing continuous steam at up to 2.5 kg/h from a 1-litre internal vessel. This small steam generator delivers variable power from 0 to 3,000 W, boils 3/4 litre of water in 10 minutes, and features dual steam ports for simultaneous supply to two laboratory groups. An internal electric heater eliminates open flame and exposed coils. Safety features include a rubber stopper with pressure release, a low water warning light, and an extra-wide tip-resistant base. A baster for hot water removal is included.

View this product online: https://scienticoindia.com/product/small-steam-generator-thermoflux-24/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Small Steam Generator ThermoFlux-24, Technical Specifications

Parameter	Value
Model	ThermoFlux-24
Water Capacity	1 litre
Variable Power Range	0 to 3,000 W
Steam Output	Up to 2.5 kg/h continuous
Time to Boil	3/4 litre in 10 minutes
Steam Ports	2 (dual port)
Heater Type	Internal electric heater
Open Flame	None
Exposed Coils	None
Seal	Rubber stopper with safety pressure release
Low Water Indicator	Low water warning light
Base	Extra-wide for stability
Accessories Included	Baster for hot water removal

Technical Data

Power and Steam Output

Parameter	Value
Variable Power	0 to 3,000 W
Steam Output	Up to 2.5 kg/h continuous
Time to Boil (3/4 litre)	10 minutes

Water System

Parameter	Value
Water Capacity	1 litre
Low Water Warning	Warning light included
Hot Water Removal	Baster included

Steam Ports

Parameter	Value
Number of Ports	2
Simultaneous Supply	2 laboratory groups

Safety and Physical Features

Parameter	Value
Heater Type	Internal electric, no open flame, no exposed coils
Seal Type	Rubber stopper
Pressure Safety	Safety pressure release on rubber stopper
Base Design	Extra-wide for tip-over resistance

Key Features

Key Features

- **Variable Power:** 0 to 3,000 W, adjustable steam flow to suit experimental requirements
- **Steam Output:** Continuous steam at up to 2.5 kg/h
- **Boil Time:** Boils 3/4 litre of water in 10 minutes
- **Water Capacity:** 1 litre
- **Dual Steam Ports:** Supplies two laboratory groups simultaneously
- **Small Steam Generator Heater:** Internal electric heater, no open flame, no exposed coils
- **Safety Seal:** Rubber stopper with built-in safety pressure release
- **Low Water Warning:** Warning light alerts user to low water level
- **Base:** Extra-wide design for stable, tip-resistant operation
- **Hot Water Removal:** Baster included for safe removal of hot water during experiments

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Experiments

- Supply of constant-temperature steam as a heat reservoir for laboratory thermal experiments
- Simultaneous steam supply to two laboratory groups via dual steam ports

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Construction and Design

The Small Steam Generator ThermoFlux-24 is constructed around a 1-litre water vessel heated by an internal electric element. This small steam generator uses no open flame and has no exposed heating coils, reducing burn and fire risk in the laboratory environment. Power is adjustable from 0 to 3,000 W, allowing continuous control of steam generation rate. At full output, the unit delivers steam continuously at up to 2.5 kg/h and brings 3/4 litre of water to boil in ten minutes.

Two steam outlet ports on the unit allow simultaneous connection to two experimental setups or two separate laboratory groups. The vessel is sealed with a rubber stopper that incorporates a safety pressure release to prevent pressure build-up. A low water warning light provides a visible alert before the water level drops to a critical level. The extra-wide base lowers the centre of gravity, making the unit resistant to accidental tipping. A baster is included for safe removal of hot water from the vessel during experiments without removing the stopper assembly.

Scope of Delivery

- 1 Small Steam Generator ThermoFlux-24
- 1 Baster

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q1: How much steam does the ThermoFlux-24 produce?
The unit delivers continuous steam at up to 2.5 kg/h. It boils 3/4 litre of water in approximately ten minutes and maintains a constant-temperature steam supply thereafter.

Q2: Can the ThermoFlux-24 supply more than one experiment at a time?
Yes. Two steam ports allow the unit to supply two laboratory groups or two experimental setups simultaneously from a single generator.

Q3: What safety features are built into this small steam generator?
Safety features include an internal electric heater with no open flame or exposed coils, a rubber stopper with a built-in safety pressure release, a low water warning light, and an extra-wide base for tip-over resistance.

Q4: How is the steam output adjusted?
Power is variable from 0 to 3,000 W. Adjusting the power setting controls the rate of steam generation to suit the flow requirements of the connected experiment.

Q5: Is this unit compatible with the Thermal Conductivity Apparatus ThermoFlux-25?
Yes. The Small Steam Generator ThermoFlux-24 is the recommended optional steam source for the Thermal Conductivity Apparatus ThermoFlux-25 and connects via plastic tubing supplied with that unit.

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