

GLASS-CERAMIC LABORATORY HEATING PLATES

GOBI-GC

Controlled heat for demanding sample preparation

The GOBI-GC series combines a smooth glass-ceramic heating surface with a separate touch-screen PID controller. Programmable methods support repeatable multi-stage workflows while the split architecture keeps control electronics away from the immediate heating and reagent zone.

HEATING AREA

up to 600 x 400 mm

PROGRAMMING

10 named methods

CONTROL RESOLUTION

0.1 C

MAXIMUM LOAD

5 kg

GOBI-GC heating plate and remote control unit

Built for controlled laboratory heating

Chemical-duty construction, programmable control and split architecture

GC

Glass-ceramic surface

Smooth working surface with rapid thermal response and straightforward wipe-down after cooling.

PID

Programmable control

PID regulation, ten custom-named methods and six-stage heating programs.

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Split-type design

Separate controller linked to the heater through dedicated connections.

2T

Dual monitoring

Two temperature probes support process supervision and over-temperature protection.

Why glass-ceramic for laboratory work?

Fast response: responsive set-point changes.

Smooth surface: easy vessel positioning and cleaning after cooling.

Large working area: three plate sizes support different vessel batches.

Corrosion-conscious body: sealed 304 stainless steel, nano-resin coating and titanium-plated insulation.

Remote operation

The controller can be positioned away from the immediate hot zone where the laboratory layout permits. Keep cables and connectors away from spills, vapours and hot vessels.

Surface care

Chemical resistance depends on reagent, concentration, temperature and contact time.



Construction highlights

- 6 mm glass-ceramic working plate
- sealed 304 stainless-steel body
- nano-resin coating
- titanium-plated insulation structure
- separated heater and controller

Programmable PID temperature control

Store common procedures and adjust temperature in 0.1 C increments



10

Method memory

Store up to 10 methods with custom names.

6

Six-stage programming

Define multiple temperature and time segments.

MP

Multi-point compensation

Refine response at multiple temperature points.

OT

Protection circuit

Adjustable over-temperature protection.

Remote connection and operator separation

PRODUCT DETAILS



Keep the control unit, cables and connectors away from spills, corrosive vapours and hot vessels. Disconnect only after the system is safely powered down and according to the manual.

Designed around sample-preparation workflows

Large-area programmable heating for routine and multi-vessel processes

SP

Sample preparation

Preheating, dissolution and conditioning before analysis.

DG

Digestion

Heating compatible vessels for validated reagent procedures.

CS

Chemical synthesis

Repeatable thermal steps for laboratory reactions.

EV

Evaporation

Controlled reduction using appropriate ventilation and supervision.

1 - Define method

Select vessel, temperature stages, duration and safety limit.

2 - Arrange load

Distribute compatible flat-bottom vessels stably.

3 - Run and monitor

Observe the live curve and validated procedure.

4 - Cool and clean

Allow safe cooling before cleaning the surface.

Method development

- match vessel material and geometry to reagent and temperature
- account for sample mass, vessel count and thermal lag
- validate sample-temperature monitoring when required
- record stages and acceptance criteria

Safe laboratory integration

- use suitable local exhaust for hazardous vapours
- do not exceed the 5 kg maximum plate load
- provide heat-resistant clearances
- follow the SDS, risk assessment and appropriate PPE

Application suitability must be established by the laboratory. The heating plate does not replace ventilation, vessel compatibility checks or method validation.

Choose the working area and power level

All models share programmable control, a 6 mm plate and a 5 kg maximum load

GOBI-GC25

Heating area: 400 x 280 mm
Power: 2500 W
Temperature: RT+20 to 500 C | Net weight: 11 kg

GOBI-GC35

Heating area: 450 x 350 mm
Power: 3500 W
Temperature: RT+20 to 500 C | Net weight: 13.8 kg

GOBI-GC45

Heating area: 600 x 400 mm
Power: 4500 W
Temperature: RT+20 to 460 C | Net weight: 18 kg

Complete technical specifications

Parameter	GOBI-GC25	GOBI-GC35	GOBI-GC45
Power supply	AC 220 V, 50 Hz	AC 220 V, 50 Hz	AC 220 V, 50 Hz
Total power	2500 W	3500 W	4500 W
Circuit-breaker rating	Not specified	25 A	32 A
Display	LCD touch screen	LCD touch screen	LCD touch screen
Temperature-control range	RT+20 to 500 C	RT+20 to 500 C	RT+20 to 460 C
Temperature accuracy	+/-7%	+/-7%	+/-7%
Controller resolution	0.1 C	0.1 C	0.1 C
Timing range	0-9999 min	0-9999 min	0-9999 min
Heating plate dimensions	400 x 280 mm	450 x 350 mm	600 x 400 mm
Plate thickness / material	6 mm / glass-ceramic	6 mm / glass-ceramic	6 mm / glass-ceramic
Maximum load	5 kg	5 kg	5 kg
Product dimensions	400 x 280 x 134 mm	450 x 350 x 134 mm	600 x 400 x 134 mm
Net weight	11 kg	13.8 kg	18 kg

RT = room temperature. Electrical installation must be sized and protected according to the selected model and local regulations.

Configure the right GOBI-GC for your laboratory

Share your vessel dimensions, vessel count, sample type, reagent system, target temperature, program stages and available electrical supply. COLO.Science can help identify the appropriate plate size and confirm the required configuration.

COLO Lab Experts

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Laboratory equipment selection, commercial quotations and technical guidance.

Quick contact

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Request a quotation or application review

Confirm working area, temperature, vessel arrangement, electrical supply and heating method.

[REQUEST A QUOTE](#)[EMAIL COLO.SCIENCE](#)[VISIT COLO.SI](#)[CALL +386 64 222 724](#)

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