

Automatic Copenhagen seed-testing bath

The CT/FH60 Automatic Copenhagen seed-testing bath provides the conditions for seed-testing specified in Section 5.5.2.A of the ISTA International Rules (1996).

The Copenhagen bath cycles between two temperatures according to a programme set on the integral timer.

The bath holds 60 sample pads, 5 on each of 12 glass plates.

Temperature controlled water is pumped from the FH60 circulator, through the CT60 stainless steel tank, to maintain the sample pads at the correct temperature.

The water temperature is regulated from a temperature probe on one of the pads.

The controller has individual temperature setting dials for low and high phase temperatures, a timer and a refrigeration switch. The temperature setting range is 5 to 55°C. Cooling is required to bring the temperature down from 30°C to 20°C, and may also be required continuously if the ambient temperature is within 2°C of the operating temperature. Rapid cooling is provided either by an accessory refrigerated cooler, FC25G, or by passing mains water through a heat exchanger inside the circulator.

The 24 hour adjustable timer controls the switching between the low and high phase temperatures; it also controls the solenoid valve for the flow of cooling water, or switches on the accessory refrigerated cooler, whichever is applicable. The refrigeration switch allows continuous or timed refrigerated cooling; the duration of the timed cooling is set on an internal adjustable timer.

System components

- FH60 circulator
- external probe
- 15mm bore tubing, 6mm length*
- CT60 tank
- three way drain tap



Accessories

- GP60 glass plates, 12 off, each plate holds 5 sample pads
- PC60 plastic covers, 60 off
- additional tubing, as required*

*Tubing is supplied for flow and return connections between the FH60 circulator and CT60 tank. Tubing for the cooling water supply and drain, and for draining the tank is not supplied by Grant, as the length and size will depend on the position and type of fittings in the building.

Accessories (non-essential)

- SF60 support frame
- FC25G refrigerated cooler

Specification

Temperature range with FC25G	°C	10 to 50
Temperature range, water cooling	°C	Ambient plus 2 to 50
Heater power FH60	W	750
Cooling power FC25G @ 20°C	W	450
Dimensions CT60 tank	l/w/h	mm 1220/500/65
SF60 support frame	l/w/h	mm 1220/500/812
GP60 glass plates	l/w/h	mm 495/90/6
Overtemperature protection		Adjustable resettable cut-out
Electrical power FH60/FC25G	220-240V 50 Hz	kW 1.2

Grant

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Equipment safety

The Automatic Copenhagen seed-testing bath meets the requirements of IEC61010.

CE mark

The Automatic Copenhagen seed-testing bath bears a CE mark to indicate that it meets the requirements of the Low Voltage and EMC Directives.

After sales service

In the United Kingdom, repairs are normally carried out within two to five working days of arrival at our factory, or receipt of authorisation to repair. Alternatively, spare parts and service manuals can normally be despatched within two working days. Most distributors of Grant equipment outside the UK hold stocks of spare parts, have their own service engineers and operate a similarly prompt repair service.

One year guarantee

Grant equipment is robust and reliable, designed and built to provide years of trouble-free service. The Grant Automatic Copenhagen seed-testing bath is guaranteed for one year against faulty materials and workmanship.

As Grant Instruments is committed to a continuous programme of improvement, specifications may be changed without notice.