QB Dry block heating systems

for test tubes, microtubes and microplates range ambient + 5 to 200°C

Dry block heating systems combining superb temperature control and uniformity with high quality design and great versatility. A premium product range at an affordable price.

- Accurate, reproducible, rapid and safe heating of your samples due to advanced temperature control combined with high quality, precision-engineered blocks providing excellent thermal contact
- Versatile range of interchangeable heating blocks to fit any sample tube or plate from our standard range of blocks, or custom-made blocks to suit your application
- Full range of models and options for basic through to more sophisticated applications



Applications:

- General Use incubating samples at set temperatures, heating block for boiling of solutions in tubes
- Life Science cell digestion, DNA/RNA extraction, post sequencing PCR clean-up dry down step, boiling invitro DNA/RNA/protein samples, incubating invitro reactions/digestions, extraction of DNA for real-time PCR analysis, denaturing nucleic acid and protein samples
- Industrial digestion of environmental samples for chemical oxygen demand analysis, soil digests, maintaining temperatures
- Biopharm Conductivity testing
- Clinical acylcarnitines derivatisation, MRSA and PBP2 latex testing, heating flush/media used in egg recovery, fertility to keep test tubes at correct temperature during egg collection

Dry block heating systems » QBD2 mid range/general purpose showcase

showcase - mid range/general purpose example

Model QBD2* stability and uniformity ± 0.1°C, range ambient + 5 to 130°C

A versatile general purpose system with two removable/interchangeable blocks and a comprehensive specification to suit most dry block heating applications in the laboratory.

- Stability and uniformity ± 0.1°C
- Digital temperature control for optimum precision
- Heating range ambient + 5°C to 130°C, with rapid heat-up time
- Range of convenient features including alarms, single and dual point calibration, programmed start/stop, 'offset' for known sample temperature variation and choice of external or internal probes
- External probe available for accurate temperature control in a tube

Microplate or microtube blocks for 0.2 ml tubes, strips and 96well microtitre plates used in molecular biology and biotechnology applications



Wide range of interchangeable blocks (order blocks separately) extraction tool supplied as standard for easy and safe removal of blocks



Custom blocks – for virtually any tube or vessel

High power heater for fast heat-up - from 25°C to 100°C in only 15 minutes

Overtemperature cut-out protects your samples and your workplace



Optional safety cover

– protects samples
from contamination
and users from
accidental contact
with hot blocks



Convenient timer facility, with audible buzzer, for reaction timing and function timing, e.g. delayed heater switch-on/turn-off

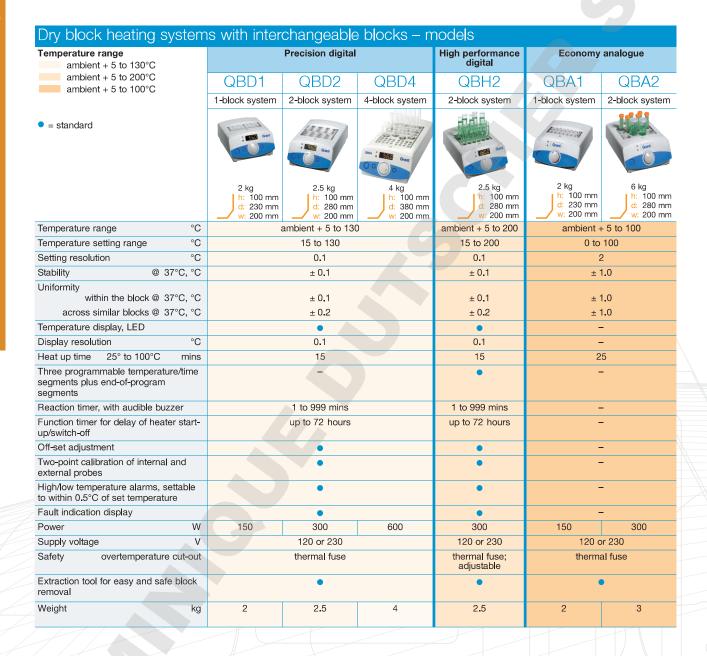
Simple-to-use rotor plus two keys provide access to the interactive interface for fast, accurate set-up

Compact footprint and sloping fascia optimise benchspace and ensure clear visibility during set-up and in use

High quality, robust construction in streamlined coolwall aluminium and chemical-resistant plastic – durable in demanding environments

 $^{^{\}star}$ see summary table on pp. 8.3-8.4 for accessories and for other models in the range

Dry block heating systems » QB series » Models and specifications



Dry block heating systems » QB series » options and accessories

	ole = available	QBD1	QBD2	QBD4	QBH2	QBA1	QBA2
Interchangeab	ole blocks						
No. of blocks	140 x 50 x 63 mm	1	2	4	2	1	2
QB-0 Plain block with		•	•	•	• / /	•	•
QB-10 24 x 10 50 mm hole de		•	•	•		•	•
QB-12 24 x 12 mm Ø holes, 50mm hole depth		•	•	•	•	•	•
QB-13 12 x 13 mm Ø holes, 50 mm hole depth		•	•	•	•	•	•
QB-16 12 x 16 mm Ø holes, 50 mm hole depth		•	•		•	•	•
QB-17H for 10 x Falcon tubes tall 17mm diam, 75mm deep		•	•		•	•	•
QB-18 12 x 18 mm Ø holes, 50 mm hole depth		•	•		•	•	•
QB-24 5 x 24 mm Ø holes and universal bottles, 50 mm hole depth		•	•	·	•	•	•
QB-50 4 x 50 ml centrifuge tubes, glass universals, 50 mm hole depth		•	•	•	•	•	•
QB-H 56 x 0.2 ml microtube, 14 mm hole depth		•		•	•	•	•
QB-E0 24 x 0.5 ml microtube, 30 mm hole depth		•		•	•	•	•
QB-E1 24 x 1.5 ml microtube, 35 mm hole depth QB-E2 24 x 2.0 ml microtube,		•	•	•	•	•	•
35 mm hole depth			•	•	•	•	•
to Ø 6.1mm	n nose tube 24 x Ø 11.13mm		•	•	•	•	•
	00 temperature probe						
QBEP	Standard probe. For in-sample or in-block temperature control; encased in stainless steel sheath, Ø 3 mm x 30 mm long, with 350 mm of cable		•	•	•	х	х
QBEP-WM	Short-form probe. For in-sample or in-block temperature control; encased in stainless steel sheath, Ø 3 mm x 14 mm long, with 350 mm of cable	•	•	•	•	ж	х
	ocks for molecular biology and ocks 140 x 100 x 75 mm suppli						
QDP-H	96 holes in microplate configuration for 0.2 ml microplates, strips or individual tubes Uniformity ± 0.3°C within tubes across the block; 6.2 mm	X	•	x	•	х	•
QDP-FL	Ø holes, 14 mm hole depth Universal block for standard 96- well plates (u-well, v-well, flat	x	•	X	•	х	•
	bottom, high temperature) Uniformity ± 0.5°C between wells; supplied with hinged, double layer lid to create an insulated incubation chamber						
Safety covers	(not required with QDP-FL Microtiter	blocks)					
	Made from tough clear acrylic for maximum visibility whilst preventing accidental touching of a hot block or contamination of samples from splashes	QBL1	QBL2	QBL4	QBL2	QBL1	QBL2