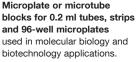
## Showcase - mid range/general purpose example

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







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 20 minutes.

Over temperature cut-out protects your samples and your workplace.



Grant



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

Simple to use rotory dial plus two keys for fast, accurate set-up.

Compact footprint and sloping fascia optimise benchspace and ensure clear visibility during

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

accidental contact with hot blocks.

set-up and in use.

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## Dry block heaters » QB series » Technical specifications

Dry block heating systems - Technical specifications								
• = standard		High performance digital						
	QBD1	QBD2	QBD4	QBH2				
	1 block system	2 block system	4 block system	2 block system				
	Essential Con-	Cont	SO COME					
	h: 120mm d: 240mm w: 200mm weight: 2.2kg	h: 120mm d: 285mm w: 200mm weight: 2.7kg	h: 120mm d: 390mm w: 200mm weight: 3.6kg	h: 120mm d: 295mm w: 200mm weight: 3kg				
Temperature range °C		ambient +5 to 200						
Temperature setting range °C	15 to 130			15 to 200				
Setting resolution °C	0.1			0.1				
Stability @ 37°C, ±°C		0.1		0.1				
Uniformity within the block @ 37°C, ±°C		0.1		0.1				
across similar blocks @ 37°C, ±°C		0.2		0.2				
Temperature display, LED		•		•				
Display resolution °C		0.1						
Heat up time 25°C to 100°C		20 mins		15 mins				
Three programmable temperature/ time segments plus end-of-program segments		-		•				
Reaction timer, with audible buzzer		1 to 999 mins						
Function timer for delay of heater start-up/switch-off	up to 72 hrs			up to 72 hrs				
Off-set adjustment	•			•				
Two-point calibration of internal and external probes		•						
High/low temperature alarms, settable to within 0.5°C of set temperature		•						
Fault indication display		•		•				
Power W	150	300	600	300				
Supply voltage V		120 or 230		120 or 230				
Safety over temperature cut-out	thermal fuse			thermal fuse				
Extraction tool for easy and safe block removal	•			•				

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## Dry block heaters » QB series » Options and accessories

Options	and a	accessories					
- = not available • = available		QBD1	QBD2	QBD4	QBH2		
Interchangeable blocks*							
Number of bloc	ks	140 x 50 x 63mm	1	2	4	2	
QB-0	1	Plain block without holes	•	•	•	•	
QB-10		For 24 x ø 10mm test tubes, 50mm hole depth	•	•	•	•	
QB-12		For 24 x ø 12mm test tubes, 50mm hole depth	•	•	•	•	
QB-13		For 12 x ø 13mm test tubes, 50mm hole depth	•	•	•	•	
QB-16		For 12 x ø 16mm test tubes, 50mm hole depth	•	•	•	•	
QB-17H		For 10 x Falcon tubes tall 17mm ø test tubes, 75mm hole depth	•	•	•	•	
QB-18	000	For 12 x ø 18mm test tubes, 50mm hole depth	•	•	•	•	
QB-24		For 5 x ø 24mm test tubes and universal bottles, 50mm hole depth	•	•	•	•	
QB-50	7	For 4 x 50ml centrifuge test tubes, glass universals, 50mm hole depth ø 29mm	•	•	•	•	
QB-H	THE STATE OF THE S	For 56 x 0.2ml microtube, 14mm hole depth, ø 6.5mm	•	•	•	•	
QB-E0		For 24 x 0.5ml microtube, 30mm hole depth, ø 8mm	•	•	•	•	
QB-E1		For 24 x 1.5ml microtube, 35mm hole depth, ø 10.8mm	•	•	•	•	
QB-E2		For 24 x 2.0ml microtube, 35mm hole depth, ø 11mm	•	•	•	•	
QB-E5	8	For 12 x 5.0ml microtube, 53.5mm hole depth, ø 16.7mm	•	•	•	•	
QB-DN		Dolphin nose tube 24 x ø 11.13mm to ø 6.1mm	•	•	•	•	
External Pt100	0 tempe	rature probe		l			
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.		•	•	•	•		
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.		•	•	•	•		
		molecular biology and biotechnology app x 100 x 75 mm supplied with additional ex					
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		-	•	-	•		
QDP-FL	ø holes, 14 mm hole depth.						
	Universal block for standard 96-well plates (u-well, v-well, flat 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.  Clearance height 85mm.		QBL1	QBL2	QBL4	QBL2		
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