



## Heater, block, QBH series



- Ambient +5°C to 200°C operation
- Stability  $\pm 0.1^\circ\text{C}$ , uniformity  $\pm 0.1^\circ\text{C}$
- Precisely controlled conditions for temperature sensitive applications
- Easy interactive user interface based on a novel, sensitive rotor plus two keys and a digital display, for fast, accurate, intuitive set-up
- Digital setting and display to ensure accuracy and reproducibility of set temperature, for precise repeatability of procedures; setting resolution  $0.1^\circ\text{C}$
- Reaction timer with buzzer ensures an accurate count-down from 1 to 72hr for time-sensitive incubations
- Function timer allows a delayed heater start-up or switch-off to be programmed, up to 72hr
- Off-set adjustment for optimum accuracy at the required operating temperature
- Two-point user recalibration of internal and external probes
- Socket for external Pt-1000 temperature probe, allows in-block temperature control
- Extraction tool included as standard, for easy and safe block removal - even when hot and loaded with tubes
- Front-panel, programming interface allowing set-up of three temperature/time segments, plus an end-of program segment for control of indefinite hold temperature

### Safety features

- Over-temperature protection by adjustable over-temperature cut-out, backed up by thermal fuse
- Variable high and low temperature alarms settable to within  $0.5^\circ\text{C}$  of set temperature for protection of valuable samples
- Fault indication display
- Visual alarm

### Technical Specification

|   |   |
|---|---|
| Temperature range, $^\circ\text{C}$         | Ambient +5 to 200   |
| Temperature setting range, $^\circ\text{C}$ | 15 to 200   |
| Stability, $^\circ\text{C}$                 | $\pm 0.1$ (at $37^\circ\text{C}$ )  |
| Uniformity, $^\circ\text{C}$                | $\pm 0.1$ (within the block at $37^\circ\text{C}$ )<br>$\pm 0.2$ (across similar blocks at $37^\circ\text{C}$ ) |
| Heating time, min                           | 15 ( $25^\circ\text{C}$ to $100^\circ\text{C}$ )  |
| Temperature setting                         | LED   |
| Resolution, $^\circ\text{C}$                | 0.1 (display)   |
| Heater power, W                             | 300   |
| Dimensions [w x d x h], mm                  | 200 x 280 x 100   |
| Electrical supply                           | 120-230V, 50/60Hz   |

| Catalogue No | Legacy No | Alt. No | Description  |
|--------------|-----------|---------|--------------|
| 11490958     | -         | QBH2    | Block heater |

### Interchangeable blocks

| Catalogue No | Legacy No | Alt. No | Type / tube diameter   | Holes per block |
|--------------|-----------|---------|--|-----------------|
| 11490908     | -         | QB-0    | Plain block  | -               |
| 11400918     | -         | QB-10   | 10mm   | 24              |
| 11410918     | -         | QB-12   | 12mm   | 24              |
| 11420918     | -         | QB-13   | 13mm   | 12              |
| 11430918     | -         | QB-16   | 16mm   | 12              |
| 11440918     | -         | QB-18   | 18mm   | 12              |
| 11450918     | -         | QB-24   | 24mm and universal bottles   | 5               |
| 12749028     | -         | QB-50   | 50mL non-skirted centrifuge tubes and glass universals                   | 4               |
| 11470918     | -         | QB-H    | 0.2mL microtubes, strips   | 56              |
| 11480918     | -         | QB-E0   | 0.5mL microcentrifuge  | 24              |
| 11490918     | -         | QB-E1   | 1.5mL microcentrifuge  | 24              |
| 11400928     | -         | QB-E2   | 2.0mL microcentrifuge  | 24              |
| 11400968     | -         | QDP-FL  | For 96 well microtitre plates for QBA2, QBD2 and QBH2                    | -               |
| 11410968     | -         | QDP-H   | For 0.2mL tubes, strips, 96 well plates for use with QBA2, QBD2 and QBH2 | 96              |

### Accessories

| Catalogue No | Legacy No | Alt. No | Description                            |
|--------------|-----------|---------|--|
| 11450968     | -         | QBL2    | Cover for QBA2, QBD2 and QBH2          |
| 11420968     | -         | QBEP    | External probe for QBA2, QBD2 and QBH2 |