

INSTRUCTIONS

FISHER DRY BATH INCUBATORS

| | |
|--------------|----------|
| Catalog Nos. | 11-718 |
| | 11-718-2 |
| | 11-718-4 |
| | 11-718-6 |
| | 11-718-8 |

Fisher Dry Bath Incubators provide controlled heat for a wide variety of clinical and general chemistry applications. They operate through a temperature range from slightly over ambient to 130 C. The various models can accommodate 1, 2, 3, 4, or 6 dry blocks. Each unit is controlled by two adjustable thermostats, one for operation up to about 60 C, and the other for up to 130 C. A fully-insulated pad-type heating element is bonded directly to the entire underside of the dry block support plate to provide even heat distribution. The support plate is made from aluminum for rapid heat transfer.

Each model is designed to be used with any of eight different accessory dry blocks. (See the Accessories Section for a listing of catalog numbers). Blocks are made from solid aluminum with a black anodized finish. Each block is marked so that every well can be identified. Dry blocks can handle a variety of tubes from 1.5 ml microcentrifuge tubes to 25 mm diameter tubes. All of these accessory dry blocks are interchangeable.

Typical applications for these dry baths include incubation, culture inactivations, enzyme reactions, melting and boiling points, and many other procedures that require controlled heat.

Performance Characteristics

Temperature Range: Slightly Above Ambient to 130 C

Note: Tolerances on temperature ranges are approximately -5 to +10 C. Maximum attainable temperature may exceed 140 C.

Uniformity: * + or - 0.5 C

*Variation, at a given time, of a sample temperature from the average of all sample temperatures within a dry block (at 37C). Temperature variation between blocks may exceed this spec.

Capacities:

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|----------|----------|
| 11-718 | 1 Block |
| 11-718-2 | 2 Blocks |
| 11-718-4 | 3 Blocks |
| 11-718-6 | 4 Blocks |
| 11-718-8 | 6 Blocks |

Power Requirements:

| | |
|----------|---------------------------|
| 11-718 | 115V, 50/60 Hz, 90 Watts |
| 11-718-2 | 115V, 50/60 Hz, 180 Watts |
| 11-718-4 | 115V, 50/60 Hz, 270 Watts |
| 11-718-6 | 115V, 50/60 Hz, 360 Watts |
| 11-718-8 | 115V, 50/60 Hz, 540 Watts |

Physical Data:

| | | |
|----------|------------------------|---------|
| 11-718 | 9in X 8in X 3.5in | 4.6 lbs |
| 11-718-2 | 9in X 8in X 3.5in | 4.7 lbs |
| 11-718-4 | 9in X 11in X 3.5in | 5.8 lbs |
| 11-718-6 | 12.5in X 8.5in X 3.5in | 6.1 lbs |
| 11-718-8 | 12.5in X 11in X 3.5in | 7.4 lbs |

Unpacking

These Dry Bath Incubators are shipped in a single carton, completely assembled. Each is supplied with this manual, a warranty card, and a Dry Block Handle (for handling or moving dry blocks). The warranty card should be completed and returned as soon as possible. In cases where shipping damage is observed, keep the unit and carton intact, including the packaging materials, and file a claim with the final carrier.

Note; Because of the wide variety of applications and sample block designs, dry blocks are not included with dry baths. The user must select and order the blocks that best suit the particular application.

OPERATION

Each dry bath is equipped with two temperature controls (thermostats), a selector switch, and a red-lensed lamp which indicates heater operation. The lamp comes on when the controlling thermostat, as selected by the switch, closes to supply power to the heater. Once the dry bath reaches thermal equilibrium, the cycling of the lamp, and the heater, should continue on a regular basis. In case of a malfunction, such as a heater failure or thermostat stuck in the closed position, the lamp will remain on. Should the thermostat fail with the contacts open, the light will remain off.

1. Place the unit on a flat, level surface, in an area free of drafts and temperature changes. (Note; Drafts and ambient temperature changes will adversely affect temperature constancy and uniformity.)