

# Low Temperature Incubator Multi type (Forced Convection)



## Independent control and efficient space utilization for each chamber

### Structural Functional Features

- Each chamber can be controlled independently and easy to use with maximally space-efficient structure.
- Structure that circulates internal air for temperature control.
- The inner glass door is completely enclosed with silicone packing, making it easy to observe the sample without changing the temperature.
- External door can be opened and closed smoothly with magnetic packing to minimize sample impact.
- Stainless steel interior and shelves are excellent in terms of corrosion resistance and clean maintenance.
- Easy to clean as inner edges are curved.



IL-11-2C

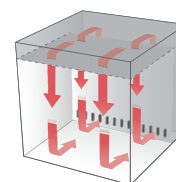


IL-11-4C

### Use Convenience Features

- Accurately controlling temperature based on temperature calibration / auto-tuning / microprocessor PID.
- Save and use 3 frequently used temperatures.
- Wait On/Off timer. (up to 99 hours 59 minutes)
- Alarm function when temperature sensor is disconnected.
- Internal air circulation speed and defrost cycle control

※ When the chamber is operating with forced convection type, the amount of moisture evaporation of the medium is relatively high.



### Outstanding Safety

- Top-rated overheating protection system. (registration KR 10-0397583)
- Over temperature limit function.
- Mal-operation prevented by controller lock function.

### Convenient Program Control

- Various culture and incubating experiments with the 9 step program.
- Temperature/time settings for each step.
- Up to 99 hours and 59 minutes.
- Repeat operation up to 200 times.

## Specification

| Model                                   |                                       | IL-11-2C                                            |           | IL-11-4C                                            |               |
|-----------------------------------------|---------------------------------------|-----------------------------------------------------|-----------|-----------------------------------------------------|---------------|
| Chamber volume (L / cu ft)              |                                       | 300 / 10.6 (150 / 5.3 x 2 chambers)                 |           | 600 / 21.2 (150 / 5.3 x 4 chambers)                 |               |
| Refrigerator (Hp)                       |                                       | 1/8 x 2ea                                           |           | 1/8 x 4ea                                           |               |
| Temperature                             | Range (°C / °F)                       | 0 to 60 / 32 to 140                                 |           | 0 to 60 / 32 to 140                                 |               |
|                                         | Fluctuation at 25°C (±°C / °F)        | 0.1 / 0.18                                          |           | 0.1 / 0.18                                          |               |
|                                         | Variation at 25°C (±°C / °F)          | 0.5 / 0.9                                           |           | 0.5 / 0.9                                           |               |
|                                         | Heating time to 40°C (min.)           | 16                                                  |           | 16                                                  |               |
|                                         | Cooling time 40 to 5°C (min.)         | 53                                                  |           | 53                                                  |               |
|                                         | Recovery time at 40°C (min.)          | 2                                                   |           | 2                                                   |               |
| Dimension                               | Interior (W x D x H, mm / inch)       | 600 x 500 x 500 / 23.6 x 19.7 x 19.7 (each chamber) |           | 600 x 500 x 500 / 23.6 x 19.7 x 19.7 (each chamber) |               |
|                                         | Exterior (W x D x H, mm / inch)       | 760 x 760 x 1690 / 29.9 x 29.9 x 66.1               |           | 1500 x 760 x 1690 / 59.1 x 29.9 x 66.1              |               |
|                                         | Net weight (kg / lbs)                 | 180 / 397                                           |           | 350 / 772                                           |               |
| Shelves                                 | Quantity of shelves (standard / max.) | 2 / 12 (each chamber)                               |           | 2 / 12 (each chamber)                               |               |
|                                         | Max. Load per shelf (Kg / lbs)        | 26 / 57.3                                           |           | 26 / 57.3                                           |               |
| Electrical requirements (230V, A)       |                                       | 50Hz, 9                                             | 60Hz, 9   | 50Hz, 9 x 2ea                                       | 60Hz, 9 x 2ea |
| Cat No                                  |                                       | AAH28112K                                           | AAH28111K | AAH28012K                                           | AAH28011K     |
| Electrical requirements (120V, 60Hz, A) |                                       | 16.5                                                |           | 16.5 x 2ea                                          |               |
| Cat No                                  |                                       | AAH28113U                                           |           | AAH28013U                                           |               |

※ Technical data (according to DIN 12880 before 2013)

※ This product is forced convection type. If the sample dries easily or is sensitive, we recommend using the natural convection type.

## Accessories Page 93 Wire Shelves, Perforated Shelves