

### IR Sensor

High precision IR sensor for more precise CO<sub>2</sub> concentration control

### UV Sterilization Lamp

Equipped with automatic sterilizing UV lamp as standard to create a clean cell culture environment

### Intelligent Touch Screen

Display operating parameters and curves, intuitively understand the operating status of the equipment

- Achieve precise control of temperature and CO<sub>2</sub> concentration

- Cell culture capability for a variety of cells



Carbon Dioxide Incubator  
**MCO-170I/240I**

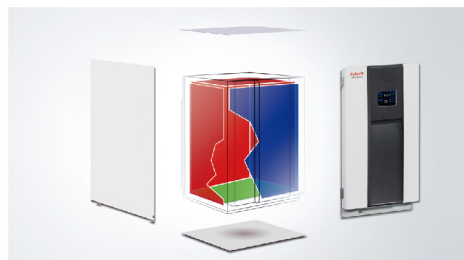
# Carbon Dioxide Incubator MCO-170I/240I



## Product Features

### User-friendly

- Bi-directional door opening design, open direction can be selected according to the actual situation.
- Meet the stacking design, which can realize the synchronization of incubation and sterilization, save space and improve efficiency.
- Equipped with RS485 communication port as standard, which can monitor the operation of the equipment remotely.
- Height adjustable casters can ensure the leveling of the unit even on uneven ground.
- The inner liner adopts stainless steel integrated large rounded corner design, which is not easy to corrode and easy to clean.



- Six-sided heating wire and three independent heating units in the cabinet, double temperature sensing back-up system, and PID control to ensure high-precision and high-stability temperature environment.

### Anti-pollution

- UV lamp: it can irradiate the water tray and the whole air duct to kill the molds in the circulating air and water vapor in the humidifying tray in the cabinet.
- Unique air duct design allows the air flow to circulate gently in the cabinet to ensure temperature uniformity.
- Equipped with HEPA filter: effectively filter bacteria and dust particles in CO<sub>2</sub> gas.
- The fan stops automatically when opening the door and the CO<sub>2</sub> valve closes automatically, reducing the speed of interaction with the outside.



- 7-inch touch screen, Chinese/English one-key switching, touch with gloves.
- Three levels of user management privileges can be set, with data tracking function as standard.

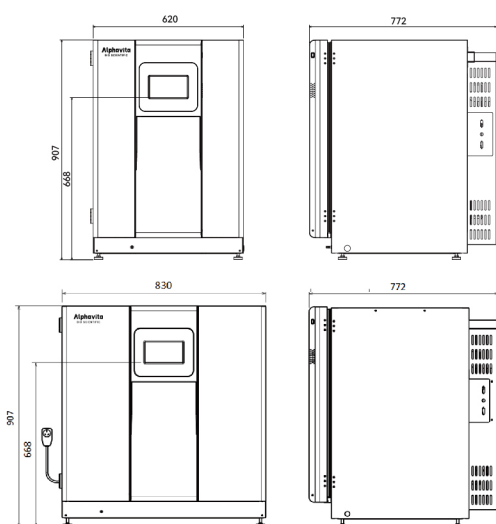


Stack Placement

## Parameter

### MCO-170I/240I

dimensions(mm)



| Model                           | MCO-170I                                 | MCO-240I        |
|---------------------------------|------------------------------------------|-----------------|
| External Dimensions(W×D×H)      | 620×772×907(mm)                          | 830×772×907(mm) |
| Internal Dimensions(W×D×H)      | 490×525×666(mm)                          | 700×525×666(mm) |
| Effective Capacity              | 170L                                     | 240L            |
| Weight                          | 100kg                                    | 108kg           |
| CO <sub>2</sub> sensor          | IR                                       |                 |
| Heating Method                  | Direct Heating & Air Jacket System       |                 |
| Temperature Control Range       | AT+5~50°C (AT 5~35°C)                    |                 |
| temperature uniformity          | ±0.25°C                                  |                 |
| CO <sub>2</sub> % Control Range | 0~20%                                    |                 |
| CO <sub>2</sub> % Fluctuation   | ±0.15%                                   |                 |
| Moistening System               | Natural Evaporation of Water Tray        |                 |
| Temperature Control Accuracy    | ±0.1°C                                   |                 |
| UV Lamp                         | Ozone-free Type (standard)               |                 |
| Exterior                        | Painted Steel                            |                 |
| Interior                        | SUS304                                   |                 |
| Inner door                      | Tempered Glass                           |                 |
| Shelf                           | Material:SUS304,multi-segment adjustment |                 |
| Display                         | Touch Screen                             |                 |

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