

## Description

FCI series electrothermal incubator is the most generally used incubator in laboratories. With quickly heating up and good temperature uniformity, FCI series incubator is widely used for for bacteria culture, fermentation and constant temperature test in hospital, pharmaceutical industry, biochemical field and agricultural research and other departments.



## Features

### 1. High quality material:

Mirror stainless steel inner chamber and shelf, convenient for cleaning and disinfection, outer plate is coated with Akzo powder, has elegant appearance and good corrosion resistant.

### 2. Good temperature uniformity:

30L to 125L model are with vertical double ducts, 230L model is with special designed base duct, to ensure all size chamber temperature uniformity within  $\pm 1^{\circ}\text{C}$

### 3. Heat isolated casing and door:

The incubator sides, top and door are all filled with heat-insulating material (not including glass), to ensure the operators are not scalded.

### 4. Low noise:

FCI incubator adopt high quality motor and sound insulation material to protect lab environment.

### 5. Independent temperature limiter (Model L)

L type add a independent digital limiter, double guarantee the experiment will not fail because of over temperature.

## Specifications

| Model                  |                     | FCI-30D  | FCI-45D     | FCI-65D     | FCI-85D     | FCI-125D     | FCI-230D     |
|------------------------|---------------------|--|-------------|-------------|-------------|--------------|--------------|
|                        |                     | FCI-30L  | FCI-45L     | FCI-65L     | FCI-85L     | FCI-125L     | FCI-230L     |
| Heating type           |                     | forced air   |             |             |             |              |              |
| Performance            | temp.range          | RT+5-80 $^{\circ}\text{C}$   |             |             |             |              |              |
|                        | temp.resolution     | 0.1 $^{\circ}\text{C}$   |             |             |             |              |              |
|                        | tem. fluctuation    | $\pm 0.5^{\circ}\text{C}$  |             |             |             |              |              |
|                        | temp accuracy       | $\pm 1^{\circ}\text{C}$  |             |             |             |              |              |
| Structure              | chamber material    | mirror stainless steel   |             |             |             |              |              |
|                        | external material   | cold rolled steel, powder coating  |             |             |             |              |              |
|                        | thermal insulation  | aluminum silicate fiber  |             |             |             |              |              |
|                        | heater              | Heating tube   |             |             |             |              |              |
|                        | rated power         | 0.15KW   | 0.25KW      | 0.50KW      | 0.55KW      | 0.60KW       | 0.70KW       |
| air outlet             |                     | Inner diameter $\varnothing 28\text{mm} \times 1, \text{Top}$                            |             |             |             |              |              |
| Controller             | temp.control        | PID control  |             |             |             |              |              |
|                        | temp. display       | D: 4 digital LED display L: LCD display  |             |             |             |              |              |
|                        | timer               | 0-9999minutes  |             |             |             |              |              |
|                        | sensor              | Pt100  |             |             |             |              |              |
| additional function    |                     | deviation correction, menu button lock, power failure compensation, power failure memory |             |             |             |              |              |
| Safety Device          |                     | over-temperature alarm; independent limiter (L model)                                    |             |             |             |              |              |
| Specification          | inner (W*D*H)/mm    | 310*310*310  | 350*350*350 | 400*360*450 | 450*450*450 | 500*450*550  | 600*500*750  |
|                        | exterior (W*D*H)/mm | 428*500*723  | 468*540*763 | 518*550*863 | 568*640*863 | 618*640*963  | 737*700*1266 |
|                        | packing(W*D*H)/mm   | 572*566*842  | 612*606*887 | 662*616*987 | 690*695*985 | 762*706*1087 | 881*771*1386 |
|                        | capacity            | 30L  | 45L         | 65L         | 85L         | 125L         | 230L         |
|                        | shelf load-bearing  | 15kg   |             |             |             |              |              |
|                        | shelf number        | 2(standard)  |             |             |             |              |              |
|                        | voltage             | AC220V/3.6A  | AC220V/5.5A | AC220V/7.2A | AC220V/8.2A | AC220V/10.5A | AC220V/13.6A |
|                        | N.W/G.W(kg)         | 33/37  | 37/43       | 44/49       | 50/56       | 60/66        | 94/120       |
| Optional configuration |                     | Shelf; RS485(L model); USB(L model); Printer(L model); SMS alarm(L model)                |             |             |             |              |              |