

## IncuSafe Series

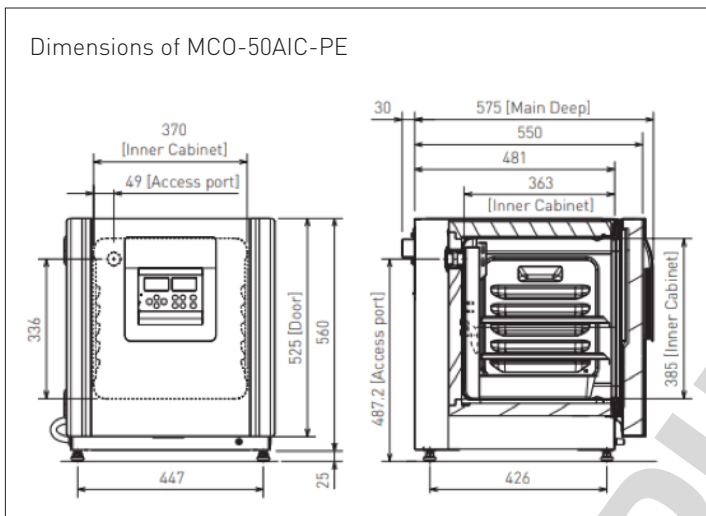


|                               |                                     |
|-------------------------------|-------------------------------------|
| <b>Model Number</b>           | <b>MCO-50AIC-PE SERIES (UV/UVH)</b> |
| Capacity                      | 50 litres                           |
| Number of shelves             | 2                                   |
| Factory certifications        | ISO9001, ISO13485, ISO14001         |
| <b>Product certifications</b> | <b>CE, Class 1 Medical Device</b>   |
| Disposal information          | WEEE directive                      |

|   |   |
|---|---|
| Temperature Range                             | -AT +5 ~ +50°C, ±0.1°C  |
| Temperature Uniformity                        | ±0.25°C   |
| Temperature Sensor                            | Thermistor with P.I.D. control  |
| <b>Heating Method</b>                         | <b>Direct Heat &amp; Air Jacket System</b>  |
| CO <sub>2</sub> Control Range and Fluctuation | 0 ~ 20 %, ±0.15 %   |
| CO <sub>2</sub> Sensor                        | Dual IR and P.I.D. Control  |
| Humidity Level and Fluctuation                | 95 %, ±5 %  |
| Humidity System                               | Water Pan   |
| Air circulation                               | Fan-assisted  |
| Air Filter                                    | 0.3 µm, Efficiency: 99.97 % or higher   |
| <b>Sterilization Methods</b>                  | <b>UV light</b><br><b>H<sub>2</sub>O<sub>2</sub> decontamination cycle</b>  |
| <b>Condensation Management</b>                | <b>A 'dew stick'—controlled by Peltier technology—condenses water on its surface, which then drips into the humidifying pan, preventing unwanted condensation in the chamber and possible contamination. (Except in MCO-170AICD-PE)</b> |
| Exterior Material                             | Painted Steel (rear cover not painted)  |
| <b>Interior Material</b>                      | Styrene AcryloNitrile copolymer   |
| Inner door                                    | <b>Stainless Steel Copper-Enriched Alloy including the shelves</b>  |
| Display                                       | 1 gas tight - made of tempered glass  |
| Access ports                                  | White graphic Organic LED alphanumeric keypad with USB port   |
| Alarms  | 1, location: On the back side, inner diameter: 30 mm.   |



|                                 |   |
|---------------------------------|---|
| Remote Alarm Contact            | Power failure alarm, Out of Temperature Setting, High Temperature, Out of CO <sub>2</sub> setting, Door Open  |
| Power                           | Allowable contact capacity: DC 30 V, 2 A  |
| Installation Requirements       | Analogue interface (4-20mA) Optional  |
| Installation Requirements       | 230V, 50Hz, single phase  |
| External Dimensions (W x D x H) | Indoor use, altitude up to 2000m, ambient temperature 5 to 40°C, maximum relative humidity of 80% up to 31°C, mains supply voltage fluctuations up to +/-10% of nominal voltage |
| Footprint                       | 480 x 550 x 585 mm  |
| Internal Dimensions (W x D x H) | 0.26 m <sup>2</sup>   |
| Net Weight                      | 370 x 363 x 385 mm  |
|                                 | 46 kg   |



**CO<sub>2</sub> Gas consumption**

| Gas consumption Liters/Day        | Door open for 30 sec |           | Door open for 60 sec |           |
|-----------------------------------|----------------------|-----------|----------------------|-----------|
|                                   | 0x                   | 12x       | 0x                   | 12x       |
| Number of Door openings Times/Day |                      |           |                      |           |
| <b>MCO-50AIC-PE</b>               | <b>5</b>             | <b>35</b> | <b>5</b>             | <b>35</b> |

Testing conditions  
 AT: 23 °C  
 SV: 37 °C  
 CO<sub>2</sub>: 5%  
 O<sub>2</sub>: 5% (only for Multigas Incubator)

**Typical Performance Characteristics MCO-50AIC-PE Series (230V, 50Hz)**

|  |                                    |                             |                             |                            |
|--|------------------------------------|-----------------------------|-----------------------------|----------------------------|
| Temperature Pull Up Approximately                    | to 37°C from Tamb: 23°C<br>60 mins |                             |                             |                            |
| Temperature Recovery Time Approximately              | Door opening 60 sec.<br>20 min.    |                             |                             |                            |
| CO <sub>2</sub> Density Recovery Time Approximately  | Door opening 60 sec.<br>5 min.     |                             |                             |                            |
| CO <sub>2</sub> Cylinder Life Approximately (30 kg.) | Door Opening 0<br>3500 days        | Door Opening 1<br>1500 days | Door Opening 2<br>1000 days | Door Opening 3<br>750 days |
| Humidity Recovery Time Approximately                 | Door opening 60 sec.<br>10 min.    |                             |                             |                            |
| Power Consumption                                    | Max. 208 W                         |                             |                             |                            |
| Heat Emission  | Max. 650 kJ/h                      |                             |                             |                            |
| Noise Level  | 29 dB[A]                           |                             |                             |                            |



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EEA, Switzerland and Turkey only



**Medical device**

The MCO-50AIC-PE is certified as a Class I Medical Device.  
 Applicable countries: Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Ireland, Italy, Liechtenstein, Luxembourg, Malta, the Netherlands, Spain, Switzerland and the United Kingdom only

**Research device**

Applicable countries: EEA countries, Switzerland and Turkey