

CO2 INCUBATOR

Such as bacteria or animal cells under conditions of constant temperature and CO₂ Storage / culture. To minimize variations in the set temperature and CO₂ concentration. After switching the device to study the recovery rate is faster / designed.

Feature

Inside the chamber Stainless steel 304 material / equipment Although outside for corrosion protection Liquid powder coating is used Cr 41 Steel plate. Block the outside air inlet into the chamber and the door packing made of silicone, Outside of the CO₂ in the chamber to minimize spills. The height adjustable shelves in the chamber is possible.

A circulation fan installed in the chamber to minimize the internal temperature range.

It is possible choice of Water jacket / Air jacket type. Easy operation and good visibility LCD Display with Touch applications. It can be precise and stable operating as a Digital PID Controller of ways. It may be a fine dispersion type dual beam CO₂ concentration control, non-partitioned infrared sensor.



SPECIFICATION

MODEL NO	PHI-CO2 40	PHI- CO2 180
Dimension_IN(WxDxH)mm	338× 334 × 358	540× 500 × 680
Dimension_OUT(WxDxH)mm	427× 452× 570(adjuster for height)	633 × 634× 965(including caster)
Capacity	40 Liter	180 Liter
Water jacket volume	13 Liter	36 Liter
Temperature range	Ambient+5 °C To 50 °C	
Temperature accuracy	± 0.1 °C at 25 °C	
Temperature control	Digital PID controller	
Temperature sensor	Resistance temperature detector (R.T.D)	
Heating system	Water jacket heating system	
CO ₂ accuracy	± 0.1% at 5%	
CO ₂ range	0~20%	
CO ₂ sensor	Dual-beam non dispersive infa-red sensor	
O ₂ accuracy	± 0.3% at 5%	
O ₂ range	0~100%	
O ₂ sensor	O ₂ Medical sensor M-04 or M-06	
Humidification	Up to 95% RH at 37 °C	
Display type	Graphics LCD display	
Door	Glass door, silicone packing magnet door	
Inner door	Tempered safety glass	
Shelves	3EA, adjustable type	
Circulation fan	Internal convection fan	
Materials	(in) Stainless steel (out) Steel plate with power coating	
Safety device	Exclusive over temp. protector	
Power	AC220V~240V,5A, 50/60Hz, 1phase	
Option	RS- 485 Interface port, software, com port cable, thermal printer	

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