

Vacc-Safe CO<sup>2</sup> incubators provide a safe, reproducible growth environment for cell cultures with unsurpassed natural simulation to ensure optimum growth conditions at all times.



### Temperature Control

High Precision Temperature Control.



### Temperature Humidity Display

Excellent uniformity of temperature, gas and humidity



### Single LED Display

High accuracy single LED displays.



### Security

Audible and Visual Alarms.

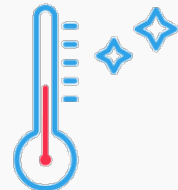


## Dual-Beam IR CO<sup>2</sup> Sensitive Control.

A Dual-beam IR sensor with high temperature resistance, works with NDIR measurement principles to track and monitor the CO<sup>2</sup> density accurately, insusceptible to temperature and humidity.

## 125°C Dry- Heat Sterilization.

125°C Dry-heat Sterilization which has been verified to ensure the stability of the sensor within the effective life cycle and the effectiveness of sterilization.



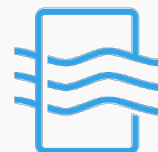
## Natural Air and Moisture Convection.

Air and Moisture in the chamber are distributed naturally by 6 side heating, air circulation fans.



## HEPA FILTER.

All gas injection lines are filtered via HEPA filter to remove impurities before being injected into the chamber. The filter is very efficient to entrap 99.97% of particles larger than 0.3cm



Model No.	VSI- 120	VSI- 180	VSI -260
Display	LED	LED	LED
Chamber volume	120L	180L	260L
Temp range	RT+5-60°C	RT+5-60°C	RT+5-60°C
Temp accuracy	±0.1°C (37°C)	±0.1°C (37°C)	±0.1°C (37°C)
Temp resolution	0.1°C	0.1°C	0.1%
Temp Control	Digital PID	Digital PID	Digital PID
Temp uniformity	±0.3°C (37°C/ RT.20°C)	±0.3°C (37°C/ RT.20°C)	±0.3°C (37°C/ RT.20°C)
Heating capacity (W)	320	320	610
CO <sup>2</sup> Range	0% - 20%	0% - 20%	0% - 20%
CO <sup>2</sup> Accuracy	±0.1% (5% / 37°C)	±0.1% (5% / 37°C)	±0.1% (5% / 37°C)
CO <sup>2</sup> Resolution	0.1%	0.1%	0.1%
CO <sup>2</sup> Sensor	IR	IR	IR
CO <sup>2</sup> Inlet pressure range	0.3 - 0.5bar	0.3 - 0.5bar	0.6 - 0.7bar
Chamber dimensions (mm) [WxDxH]	320*350*375	473*528*710	530*590*900
Overall dimensions (mm) [WxDxH]	420*460*570	560*620*945	630*680*1125
Weight	38kg	80kg	115kg
Jacket type	6 Sides heat	6 Sides heat	6 Sides heat
Number of shelves	2/4	3/8	3/8
Chamber material	Stainless Steel	Stainless Steel	Stainless Steel
Sterilization	125°C dry hot air	125°C dry hot air	125°C dry hot air

[www.vaccsafe.com.au](http://www.vaccsafe.com.au)  
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# Vacc-Safe