

Vacc-Safe CO² 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.

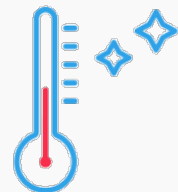


Dual-Beam IR CO² Sensitive Control.

A Dual-beam IR sensor with high temperature resistance, works with NDIR measurement principles to track and monitor the CO² 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.



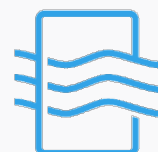
Natural Air and Moisture Convection.

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 ² Range	0% - 20%	0% - 20%	0% - 20%
CO ² Accuracy	±0.1% (5% / 37°C)	±0.1% (5% / 37°C)	±0.1% (5% / 37°C)
CO ² Resolution	0.1%	0.1%	0.1%
CO ² Sensor	IR	IR	IR
CO ² 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

