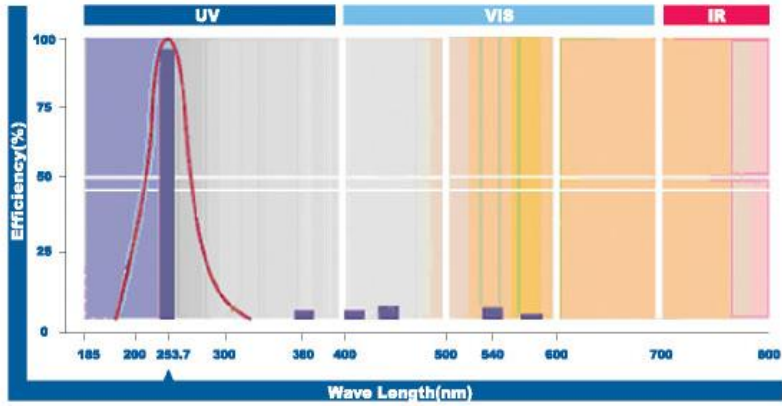


## Direct Heat CO<sub>2</sub> Incubators HF151UV & HF212UV

### Ultraviolet contamination control

A long-life UV lamp is installed at the back of the chamber of HF151UV & HF212UV to eliminate the contaminant inside the chamber. Unlike typical germicidal lamps, the long-life Heal Force UV lamp is designed to deliver straight line performance at approximately 254nm for maximum germicidal efficiency and long life.



Ultraviolet light affects DNA by causing Pyrimidine dimers to form when adjacent Pyrimidine bases on the DNA strand become covalently linked. The dimer disrupts the normal replication of the DNA or transcription to make protein.

### Microorganisms deactivated by UV light

Bacteria	UV Dose	Bacteria	UV Dose
Bacillus anthracis	8,700	Pseudomonas aeruginosa	3,900
Bacillus paratyphosus	6,100	Salmonella enteritidis	7,600
Bacillus subtilis	11,000	Escherichia coli	6,600
Bacillus subtilis Spores	22,000	Salmonella typhi	7,000

For Further Information contact Laboratory Equipment on:

Email: [sales@labec.com.au](mailto:sales@labec.com.au) Phone: 02 9560 2811 Fax: 02 9560 6131 [www.labec.com.au](http://www.labec.com.au)

## Direct Heat CO<sub>2</sub> Incubators HF151UV & HF212UV

The Heal Force UV lamp is an instrument grade bulb specifically fitted with UV resistant boots to protect seals from breakdown. The bulb is easily replaced when required; no tools are needed.

- Ultraviolet contamination control
- Efficient humidity system
- Programmable CO<sub>2</sub> sensor auto-start
- Separate over-temperature cutout
- Built-in system diagnostics
- Advanced chamber circulation
- Alarm system
- Coved corners & quick clean shelves
- Two Pt1000 temperature sensors



Heal Force HF212UV



Heal Force HF151UV

### SPECIFICATIONS, HF151UV & HF212UV

	<b>HF151UV</b>	<b>HF212UV</b>
Inner volume (L)	151	212
Dimensions (D × W × H) mm	680 × 615 × 865	763 × 910 × 795
Inner dimensions (D × W × H) mm	530 × 470 × 807	588 × 600 × 600
Shelves (D × W) mm	445 × 423	510 × 590
Number of shelves (standard/Max.)	3/10	3/10
Temperature control range (°C)	ambient +5–50	ambient +5–50
Temperature control accuracy (°C)	±0.1	±0.1
Temperature sensor	PT1000	PT1000
CO <sub>2</sub> control range (%)	0–20	0–20
CO <sub>2</sub> deviation (%)	±0.1	±0.1
CO <sub>2</sub> sensor	Thermal Conductivity	Thermal Conductivity
Humidity (%)	≥95	≥95
Water reservoir volume (L)	4	6
Net weight (kg)	75	95
Rated power (W)	600	700
Rated voltage	230V/50Hz 110V/60Hz(optional)	230V/50Hz 110V/60Hz(optional)

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