



## Direct Heat CO<sub>2</sub> Incubators HF90 & HF240

### IncuClean – Contamination control for ideal culturing

#### 90°C moist heat disinfection

HF90 and HF240 are equipped with 90°C moist heat disinfection system. All accessories inside the chamber such as CO<sub>2</sub> sensor, fan and shelves can be disinfected during the 90°C moist heat disinfection routine. In independent tests, the routine was proven to completely eliminate mycoplasma.

#### Coved corners & quick clean shelves

Interior chamber with 100% coved corner is easy to clean, and the sturdy shelves can be removed without tools for easy cleaning or adjustment.

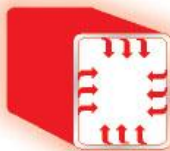
#### Gas supply line filter

The gas will pass a HEPA filter and enter the chamber after the grain larger than 0.3µm being sieved. The sieving ratio is 99.998%, and the blower mixes the inputting gas and air inside.

#### Highly reliable TC CO<sub>2</sub> sensor CO<sub>2</sub> sensor “auto-start”

The TC CO<sub>2</sub> sensor baseline is reset to ensure accuracy without manual adjustments. This ensures the system works with stability and maximum accuracy.

#### Advanced heating system



A unique direct heat system combined with a Pt1000 temperature sensor ensures a stable temperature control with minimal gradient and prompt temperature recovery with no overheat.

Heating elements and fiberglass insulation surround all sides of the outer chamber wall to provide uniform heating and fast recovery times after door closings. The directed airflow ensures optimum temperature uniformity.



Heal Force HF90



Heal Force HF240

For Further Information contact Laboratory Equipment on:

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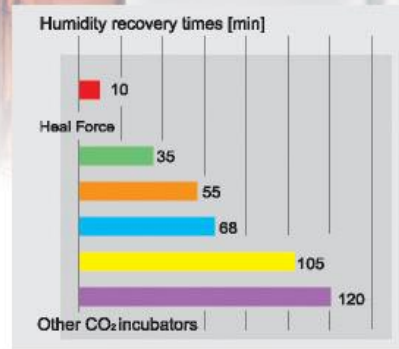
## Efficient humidity system



Heal Force  
Unique water reservoir

A new type of water reservoir replaces the standard water tray. This new system provides a high relative humidity and also allows rapid humidity recovery times.

The heated floor underneath the water reservoir provides humidity recovery times faster than comparable water tray incubators.



Heal Force compared with other CO<sub>2</sub> incubators

## Inner small glass door

The separate inner small glass doors allow for selective chamber openings. This feature helps to minimize the introduction of airborne contaminants to the chamber since the size of the access portal is minimized.



Heal Force HF90 with 3 inner small glass doors

## SPECIFICATIONS, HF90 & HF240

	HF90	HF240
Inner volume (L)	151	240
Dimensions (D × W × H) mm	762 × 637 × 909	820 × 780 × 944
Inner dimensions (D × W × H) mm	530 × 470 × 607	583 × 607 × 670
Shelves (D × W) mm	445 × 423	503 × 554
Number of shelves (standard/Max.)	3/10	3/12
Temperature control range (°C)	ambient +5-50	ambient +5-50
Temperature control accuracy (°C)	±0.1	±0.1
Temperature sensor	PT1000	PT1000
90°C disinfection time (h)	9	9
Disinfection duration (h)	about 25	about 25
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)	3	3
Inner small glass doors	3	6 (optional)
Net weight (kg)	80	98
Rated power (W)	600	735
Rated voltage	230V/50Hz 110V/60Hz(optional)	230V/50Hz 110V/60Hz(optional)

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