

# Ultra Low Temperature Freezer

## HUMAN Lab DF Series

### 1 Features

- Cool down - 86 deg.c by non-CFC refrigerant
- A cooling copper pipe enables to distribute cool air
- Audible / Visual warning 5 alarms  
( high temp, low temp, power failure, compressor, condenser)
- Memory chip can save max 500hrs temperature history
- 4 casters can move the refrigerator and the caster fixable.



### 2 Specifications

#### Upright type

Model	DFU-014	DFU-016	DFU-017
Capacity	387 liter	587 liter	699 liter
Chamber (WxBxH)	620x1200x520 mm	664x1320x670 mm	690x1350x750 mm
Temp. range	- 50°C ~ - 86°C		
Refrigerant	R-134a		
Material	Stainless steel interior and galvanized steel exterior		
Control & display	Microprocessor PID control and digital display		
Power source	220VAC,50 or 60 Hz		
Overall (WxDxH)	860x660x1920mm	940x820x1970 mm	930x900x2000mm
Weight (Kg)	175	285	320

#### Chest type

Model	DFC-012	DFC-014	DFC-016
Capacity	205 liter	392 liter	630 liter
Chamber (WxBxH)	600x710x480 mm	1150x710x480 mm	1620x710x550 mm
Temp. range	- 50°C ~ - 86°C		
Refrigerant	R-134a		
Material	Stainless steel interior and galvanized steel exterior		
Control & display	Microprocessor PID control and digital display		
Power source	220VAC,50 or 60Hz		
Overall (WxDxH)	1190x720x1000 mm	1740x720x1000 mm	2210x790x1000 mm
Weight (Kg)	155	215	240

### 3 Options

#### 1) CO2 Back-up system

- A back-up system to take care of temperature increase due to equipment malfunction or power outage
- By spraying CO<sub>2</sub> into the freezer interior, the set temperature can be maintained for a set period of time
- Operated by rechargeable batteries Capable of temperature setting
- Consisting of connection tube, nozzle, temperature and sensor

#### 2) 7 days chart recorder and/or thermo mini printer

#### 3) Storage rack & Box



Storage rack & box