

# -80 Deep Freezer

## IG-DF Series



**IGENE LABSERVE**

Innovative • Interactive • Intuitive

# FEATURES & SPECIFICATIONS

## DESCRIPTION

The deep freezer refrigerator is used for scientific research, low temperature test of special materials and storage of Samples. It is specially used for scientific research, electronics, chemical industry, military, livestock system, academic lab, bioengineering, trans-ocean fishing corporation, etc.

## FEATURES

### ❖ **Precise temp. control system:**

Fully programmable microprocessor controlled, LED screen with -40 °C -80 °C adjustable, Platinum resistance temp. Sensor Read ability: I OC, easily to operation

### ❖ **Safety:**

Safety door lock and controller setting password to prevent unauthorized access.

Visual and audible alarm system: High/low temperature, power failure, sensor error, door ajar Power failure protection: Turn on delay of the cooling system after power failure.

Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when controller or two sensors failed. CFC-FREE, HCFC-FREE non-flammable refrigerants, and energy efficient & hermetically sealed cascade refrigeration system.

### ❖ **Refrigeration system:**

Germany SECOP compressor  
Germany EBM cooling fan  
Germany DANFOSS dry filter  
Germany DANFOSS condensing system

### ❖ **Humanized Design:**

Adjustable shelves  
Document box  
Booster handles Lockable

### ❖ **Optional:**

Build-in back-up battery to display temperature and power alarm system for up to 8 hours without AC power auto on, off LED light with manual switch on control panel .USB recorder, UPS light, SMS Remote alarms.



# SPECIFICATIONS

<b>Model no.</b>	<b>IG-80DF</b>
<b>Volume</b>	500Liter
<b>Temperature</b>	-40 TO -80°C with 1°C increments
<b>Insulation thickness</b>	Vacuum Insulation panel with 150mm thickness
<b>Cooling type</b>	Direct cooling
<b>electric protection</b>	I/B
<b>Refrigerant</b>	Mixed
<b>Interior dimension</b>	609x685x1193mm
<b>Exterior body</b>	Tough, powder coated finish on heavy steel gauge.
<b>Interior body</b>	Stainless steel 304 grade
<b>Shelves</b>	<ul style="list-style-type: none"><li>• 4nos of Compartments</li><li>• 4nos of adjustable height (stainless steel shelves)</li></ul>
<b>Consumption</b>	9.8kW. h/24h
<b>Power</b>	1000W
<b>Power supply</b>	230 Volts ± 10% 50Hz
<b>Climate class</b>	N
<b>Alarm type</b>	Sound/ light
<b>Exterior dimension</b>	855x965x1865mm
<b>Package dimension</b>	960x1030x2030mm
<b>Net weight</b>	205kg
<b>Gross weight</b>	255kg
<b>Optional function</b>	Printer & recorder

