

-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:**

Microprocessor control panel, LED/LCD screen with -40 °C -80 °C adjustable, Platinum resistance temp. Sensor Read ability: I OC, easily to operation.

High density door insulation /vacuum insulation panel, Inner chamber is made up of Stainless steel and outer chamber is made up of Heavy gauge steel with powder coating.

❖ **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.

Optional – condenser fault alarm, door open alarm, closed filter alarm.

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. Vacuum relief port for easy opening of door.

❖ **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

Heavy duty lockable casters

❖ **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

Model no.	IG-80DF
Volume	418L
Temperature	-40 TO -80°C
Temperature Accuracy	±1°C
Temperature stability at -80°C	±2°C
Relative humidity	80%RH
Insulation thickness	150mm
Cooling type	Direct cooling
electric protection	I/B
Refrigerant	Mixed, CFC-FREE, HCFC -FREE nonflammable refrigerants and cascade free coding
Noise Level	Less than 56 Db
Interior dimension	552x635x1142mm
Consumption	Least power consumption, 9.8kW. h/24h
Power	1000W
Power supply	230V/50Hz
Climate class	N
Alarm type	Sound/ light
Shelves	individual 4 stainless steel compartments with individual inner doors to avoid cold air loss
Vent port and filter	Heated air vent and front panel air filter
Exterior dimension	855x965x1865mm
Package dimension	960x1030x2030mm
Net weight	205kg
Gross weight	255kg
Optional function	Printer & recorder

