

-80°C Deep Freezer



CONTACT US

info@igenels.com
www.igenels.com

ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

-80°C Deep Freezer

The IG-(-80DF) deep freezer is engineered for scientific research, low-temperature testing of specialized materials, and secure sample storage. Its robust design supports various fields, including scientific research, electronics, chemical industry, military, bioengineering, livestock systems, and marine sectors.



KEY FEATURES

1. Precise Temperature Control

- Micro-computer controlled with an LED/LCD screen, adjustable from -40°C to -80°C.
- Platinum resistance temperature sensor.
- High readability and easy operation.

2. Safety and Security

- Safety door lock and password-protected controller to prevent unauthorized access.
- Visual and audible alarms for high/low temperature, power failure, sensor errors, and door ajar.
- Power failure protection with a delayed restart.
- The cooling system retains the previous normal working cycle and will continue to operate based on this stored memory in the event of a controller or dual sensor failure.

3. Refrigeration System

- Equipped with a high-efficiency German SECOP compressor, EBM cooling fan, and DANFOSS dry filter and condensing system.

4. Humanized Design

- Adjustable shelves and document box for convenient storage.
- Lockable booster handles.

5. Optional Features

- Built-in backup battery supporting display and power alarms for up to 8 hours without AC power.
- Automatic LED light with manual switch.
- USB data recorder, UPS light, and SMS remote alarm capabilities.

SPECIFICATIONS:

Model no.	IG-(-80DF)
Volume	450 L
Temperature	- 40°C TO -80°C
Insulation thickness	150mm
Cooling type	Direct cooling
Electric protection	I/B
Refrigerant	Mixed
Interior dimension	552x635x1142mm
Consumption	9.8kW. h/24h
Power	1000W
Power supply	220V/50Hz
Climate class	N
Alarm type	Sound/ light
Exterior dimension	855x965x1865mm
Package dimension	960x1030x2030mm
Net weight	205 kg
Gross weight	255 kg
Optional function	Printer & recorder

CONTROLLER FEATURES:

Precise Temperature Control: Microcomputer-controlled system with an LED/LCD display, allowing easy adjustments from -40°C to -80°C for precise monitoring.

High Readability & Easy Operation: LED/LCD screen provides clear visibility and user-friendly control.

Comprehensive Alarm System: Visual and audible alarms for high/low temperature, power failure, sensor errors, and door ajar to ensure safety and immediate response.

Power Failure Protection: Equipped with a delayed restart feature to safeguard equipment during power outages.

Memory Retention: The cooling system stores and continues the previous operating cycle, maintaining function even in the event of controller or sensor failure.

Optional Data & Notification Features: Includes USB data recording, UPS light, and SMS remote alarm capabilities for remote monitoring and data security.





iGENE LABSERVE®
Innovative • Interactive • Intuitive



CONNECT WITH US.

 **ADDRESS**

16/2, BLOCK 16, ASHOK NAGAR,
NEW DELHI-110018

 **TELEPHONE**

+91 11 79613060

 **EMAIL**

info@igenels.com

 **WEBSITE**

<https://www.igenels.com>



GeM
Government
e Marketplace



एन एस आई सी
NSIC
ISO 9001 : 2008

