

**- 20°C DEEP FREEZER**  
**IG-DF Series**



# FEATURES & SPECIFICATIONS

## DESCRIPTION

iGene Labserve -20°C Deep freezers provides an ideal freezing environment for advanced medical and industrial applications. These freezers offer unrivalled cold storage protection for valuable samples and materials and maintain internal temperature of -20°C. The refrigerators are equipped with auto defrosting device with highly efficient microprocessor for ease of operation with minimum space. These are widely used in scientific research labs for long term storage of critical samples, offering exceptional temperature uniformity with excellent sample protection.

## FEATURES

- High-tech construction combines panel insulation with environmental-friendly, water-blown foam insulation for maximum sample-to-vial footprint storage.
- Environmental-friendly, CFC/HCFC free refrigerants. Microprocessor based control system. (HMI+PLC optional).
- Defrost cycle can be initiated to shut down the compressor and keep the cabinet defrost free. Ergonomic and easy to use.
- USB ports for PC connectivity in HMI PLC.
- RS 232/485 connectivity can be provided if required.
- CFC/HCFC-free refrigerants maximize cooling and minimize environmental impact. Chart recorder for better temperature monitoring. (optional)
- Corrosion resistant interior and exterior.
- Incident monitor provides visual and audible warnings of system abnormalities for increased sample protection.
- Digital display and direct settings for maintaining desired operations.

**Applications:** Biotechnology, Clinics / University Hospitals, Pharmacy.



## CONSTRUCTION:

**iGene Labserve Deep Freezer** is double walled cooled units. Outer body of our laboratory refrigerators are constructed out of thick PCRC, pre-coated corrosion resistant GI sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated. The inner construction is made of stainless-Steel sheet-304. The 100 mm gap between the walls is filled highgrade polyurethane insulation, which ensures maximum thermal efficiency.

**Cooling** An energy efficient cooling unit is installed in our freezer. We use high end CFC free compressors, conforming to latest international standards and guidelines.

**Cooling medium** Air-cooled CFC free refrigerants.

**Temperature Range** Temperature range is  $-20^{\circ}\text{C}$  controlled by nanotechnology-based microprocessor temperature controller.

**Temperature accuracy** is  $\pm 1^{\circ}\text{C}$  or better.

**Energy consumption rate (24)** 174 W

## ORDERING INFORMATIONS:

Model no.	Size (Inches)	Volume	Shelves
IG-50DF	15 x15 x 15	50 Liters	2
IG-95DF	18 x 18 x 18	95 Liters	3
IG-125DF	18 x 18 x 24	127 Liters	3
IG- 177DF	16 x 20 x 32	177 Liters	3
IG-216DF	24 x 24 x 24	226 Liters	3
IG-270DF	24 x 24 x 30	270 Liters	3
IG-340DF	24 x 24 x 36	340 Liters	7
IG-500DF	24 X27 X48	500 Liters	7

