



Protect your samples with Hi-Performance
DEEP FREEZER



SCIENTIFIC
INNOVATIONS

Specification

Temperature range -36°C up to -40 °C

Construction

- Inner cabinet made of Stainless Steel SS 304 sheet
- Outer cabinet made of scratch resistant powder coated CRCA sheet
- Height-adjustable shelves made of Stainless Steel SS 304 sheet
- Foam-in-place polyurethane (Non-CFC and Eco-friendly) of 75 mm thickness for effective thermal insulation
- Sub-doors for each compartment made of Stainless Steel SS-304 with thermal insulation
- Main door provided with magnetic gasket and locking facility for security
- Heavy-duty hinges and latches for longer life
- Four Castor wheels with brakes for easy mobility
- Adjustable feet (on-request) for placing the equipment in uneven floor level

Control System:

- Microprocessor based temperature control system
- Digital LED display of set and actual temperature
- Audio-Visual alarm for High/Low temperature deviation (Adjustable)
- MCB for over current protection
- Automatic voltage stabilizer with High/Low voltage cut-off

Refrigeration:

- Hermetically sealed Compressor with OLP for safety cut-off
- Non-CFC, Non-HCFC, Eco-friendly Refrigerant
- Air-cooled condensation system using aluminium finned copper coil and continuous rated fan motor
- High purity 99.97% copper cooling coils for transfer of cooling energy on all sides of the inner cabinet
- All refrigeration accessories are from top brands like Danfoss, Emerson, Embraco, Tecumesh, etc

Other Features

- Access Port (50 mm diameter) for validation
- Temperature calibration traceable to National standards

Optional Accessories

- Chart Recorder / Data Logger for continuous logging of temperature
- Battery Back-up for temperature display with power failure alarm and low battery alarm
- Cryo Racks and Boxes
- open alarm
- Filter for condenser with clogged filter alarm and high ambient alarm
- Cryo Gloves
- GSM alert for temperature deviation
- IQ/PQ documentation / validation

Model	Volume (Litres)	Inner size	Outer size (WxDxH) mm	Compartment	Power Consumption (Kwh/day)	Weight (Kg)	Cryo Racks	Cryo Boxes	1.8/2 ml Vials
SIDF-100	100	320 x 525 x 600	500 x 700 x 1150	2	2.5	125	4	48	4800
SIDF-200	200	480 x 525 x 825	660 x 700 x 1400	3	3.1	175	9	108	10800
SIDF-300	300	640 x 525 x 900	820 x 700 x 1500	3	3.8	225	12	144	14400
SIDF-400	400	640 x 525 x 1100	820 x 700 x 1750	4	4.5	260	16	192	19200
SIDF-500	500	640 x 700 x 1100	820 x 875 x 1750	4	5.2	300	16	256	25600
SIDF-700	700	675 x 800 x 1300	855 x 975 x 1950	4	6	350	16	320	32000

*Dimensions are subject to change

Equipment with custom specified dimension and specifications (SS316 interior / SS304 exterior) can also be offered against specific requirements



SCIENTIFIC INNOVATIONS

#37/39/41, Vijay Vishnu Vihar, Plot No 13, First Floor, West Saidapet, Chennai - 600015

Telefax : 044 - 4266 6384 Mobile : 95661 20200 / 97907 38290

Email: info@scientificinnovations.in Web: www.scientificinnovations.in