

Technical Specifications

Trap and other details

- Drying Capacity: 4liters (Lyo 4)
- Cold Trap Temp.: -40°C, -55°C & -86°C (-110°C Optional)
- Drying chamber size: 225mm Height X 150mm dia - Other sizes also offered
- Multi port Manifolds (8 or 16port)
- Cold Trap size: 350mm x 150mm dia
- Microprocessor based controller with digital display
- Temperature resolution: 0.1°C



Vacuum

- Vacuum Pump 2 stage direct drive, 100lpm
- Pump make: HindiHighVac
- Vacuum Indication: Pirani Gauge
- Vacuum Level: 0.5 to 0.001 mbar.



Refrigeration

- On / Off Control
- CFC refrigeration system properly insulated.
- Cascade compressor system used.
- Air cooled Condenser for faster refrigeration.

Models to Choose - Both Upright and Chest

Model	60°C	0°C	-20°C	-40°C	-86°C
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M Series



DF Series



MDF Series



ULF Series



LYO Series



Refrigeration & Lyophilization

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Ultra Low Freezers - DF / MDF / ULF Series

Technical Specifications

Chamber

- Available Sizes: 100L, 170L, 280L, 325L, 395L, Other sizes on request.
- Material & Finish: -
Interior Made of Stainless Steel SS 304
Exterior made of Powder coated mild Steel
- Magnetic Gasket, Handle, lock for Door.
- Sub Doors made of FRP / Stainless Steel
- Double Walled Main Door
- Number of Shelves: 3 (Standard) additional Shelves on request.

Temperature

- Adjustable from 0 to -20°C for DF Series
- Adjustable from -20°C to -40°C for MDF Series
- Adjustable from -40°C to -86°C for ULF Series
- Microprocessor based Digital Controller

Accuracy

- Control accuracy: $\pm 2^{\circ}\text{C}$
- Resolution: 0.1°C

Refrigeration

- Hermetically Sealed EMERSON / Tecumseh compressor
- Fin and Tube type air cooled condenser
- Polyurethane insulation (PUF)
- CFC Free Refrigeration
- Cascade compressor system for ULF series
- Easily movable with castor wheels



Cooled Incubators - M Series

Technical Specifications

Chamber

- Available Sizes: 100L, 170L, 280L, Other sizes on request.
- Material & Finish: Interior Made of Stainless Steel SS 304
Exterior made of Powder coated mild Steel
- Magnetic Gasket, Handle, lock for Door.
- Sub Doors made of Acrylic / Glass
- Double Walled Main Door
- Number of Shelves: 3 (Standard) additional Shelves on request.

Temperature

- Adjustable from 0 to 60°C
- Microprocessor based Digital Controller

Accuracy

- Control accuracy: $\pm 2^{\circ}\text{C}$
- Resolution: 0.1°C

Models to Choose - Both Upright and Chest

Capacity	DF Series	MDF Series	ULF Series	M Series	Interior Dimensions
100L	✗	✗	✗	✗	350 x 400 x 700Hmm
170L	✗	✗	✗	✗	400 x 400 x 1100Hmm
280L	✗	✗	✗	✗	500 x 500 x 1100Hmm
325L	✗	✗	✗		550 x 550 x 1100Hmm
395L	✗	✗	✗		600 x 600 x 1100Hmm