



MEHROTRA
Biotech

ADVANCE TECHNOLOGIES EFFECTIVE SOLUTION



WHAT WE DO?

Mehrotra Biotech Pvt Ltd has been established with an aim to contribute to the enhancement of medical-hospital, pharmaceutical, biotechnological, and general laboratory services through the provision of high-quality innovative solutions, ensuring an improved quality of life and well-being for society at large.

Our primary objective is to deliver customized solutions that precisely align with the unique requirements of our customers. To achieve this, our dedicated functions including engineering, R&D, manufacturing, and customer service are focused on each technology within Mehrotra Biotech's area of expertise:

- We offer solutions and equipment for clean air technology, encompassing both horizontal and vertical laminar flow cabinets, biological safety cabinets, and laminar flow systems.
- Our portfolio includes solutions and equipment for advanced sterilization utilizing Autoclaves, Ovens, and incubators.
- We specialize in solutions and equipment employing biological containment technology, such as containment isolators and sterile isolators.
- Additionally, we provide solutions and equipment utilizing freeze drying and vacuum drying technology, ranging from laboratory freeze dryers to GMP freeze dryers.

By offering these comprehensive solutions, we aim to continually improve and advance the various sectors we serve, ensuring the highest standards of quality, safety, and efficiency in medical and laboratory practices.

“Our aim is to provide tailor-made solutions in strict accordance to the needs of customers.”



OUR MISSION

Our mission is to empower individuals and communities through innovative solutions and exceptional service. We are committed to providing high-quality products and services that address the needs of our customers and contribute to advancements in scientific and medical research. Guided by our core values of integrity, collaboration, and social responsibility, we strive to make a positive impact on society, while prioritizing environmental sustainability and community healthcare. Through our dedication to excellence and the expertise of our team, we aim to be a trusted partner in shaping a healthier and more prosperous future for all.

OUR VISION

Our vision is to be a leading innovator and catalyst for positive change, creating solutions that transform lives and shape a better future. With a commitment to excellence, creativity, and social impact, we strive to revolutionize Biomedical research & Pharmaceutical industry through cut-edge design, forward-thinking strategies, and meaningful collaborations.

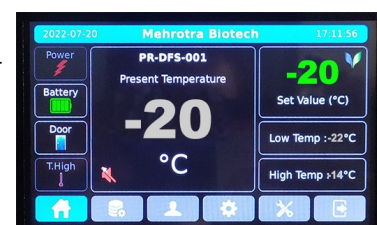


DEEP FREEZER -20°C

Mehrotra Biotech brings to you DFS Series laboratory deep freezers -20°C for pharmaceutical, hospital, medical and laboratory uses, where these units are used for long-term storage and quality assurance. Our high-performance deep freezers combined with advanced temperature control with high-quality cabinet construction and alarm systems. Uniform temperature distribution inside the cabin is designed to maintain temperature uniformity to protect important medical and pharmaceutical-products as well as laboratory media, reagents and more. Our Laboratory Deep Freezers comply with valid ISO, CE, IQ, OQ & PQ certifications.

KEY FEATURES

- 1. Precise temperature control:** The deep freezer is equipped with a reliable and accurate temperature control system, ensuring consistent and stable temperature conditions for the stored contents.
- 2. High storage capacity:** Designed with ample space, the deep freezer provides generous storage capacity to accommodate a significant quantity of samples, specimens, vaccines, or other materials that require deep freezing.
- 3. Efficient insulation:** The deep freezer is constructed with high-quality insulation materials that minimize temperature fluctuations and heat transfer, enhancing energy efficiency and reducing operational costs.
- 4. Advanced cooling system:** The deep freezer incorporates a robust cooling system capable of rapidly achieving and maintaining the desired -20 degrees Celsius temperature, ensuring efficient freezing and preservation of contents.



5. **Alarm and monitoring features:** The deep freezer includes built-in alarms and monitoring systems that alert users in case of temperature deviations or power failures, helping to protect valuable samples and maintain their integrity.
6. **User-friendly interface:** The deep freezer is designed with an intuitive and user-friendly interface, allowing easy programming, temperature adjustment, and monitoring of the freezer's status.
7. **Safety features:** The deep freezer is equipped with safety features such as door locks or access control systems to prevent unauthorized access and ensure the security of stored items.
8. **Easy maintenance:** The deep freezer is designed for ease of maintenance, with features such as removable shelves, easy-to-clean interiors, and accessible components for periodic maintenance and cleaning.
9. **Long-term storage capabilities:** The deep freezer is specifically designed for long-term storage requirements, allowing items to be preserved at -20 degrees Celsius for extended periods without compromising their quality or integrity.
10. **PC monitoring compatibility:** The deep freezer can be connected to a computer for convenient monitoring and control. Users can access real-time temperature data, adjust settings, and receive alerts directly on their computer, enabling efficient management and maintenance.
11. **Data logging and retrieval:** The deep freezer includes data logging, enabling users to record and retrieve temperature data over time for analysis and quality control purposes.

TECHNICAL SPECIFICATIONS

FEATURES	DFS 150	DFS 400	DFS 450 WITH GLASS DOOR	DFS 500 WITH GLASS DOOR
Temperature range (°C)	-18/-24	-18/-24	-18/-24	-18/-24
External Dimensions (mm)	553x574x843	585x595x1730	595x595x2050	672 x 690 x 2046
Net/ Gross volume (L)	84/94	250/265	344/365	441/500
Net/ Gross Weight (kg)	30/32	60/72	96/106	124/150
MoC (Exterior)	Powder Coated GI			
MoC(Interior)	Food Grade ABS			GI/ SS304
Controller	Microprocessor with 5" TFT TouchScreen			
Data Connectivity	USB2.0 & Ethernet (Optional)			
Door Type	Solid door	Solid door	Glass door	Glass Door
Shelves/ baskets	3	7 drawers	6 drawers	5 Drawers
Insulation	85 mm	85 mm	85 mm	60mm
Type of cooling	Static	Static	Static	Static/Forced
Power Supply (V/Hz)	230/50 Hz	230/50 Hz	220-230/50 Hz	220-230/50Hz
Energy consumption	0.48 kWh /24 h	0.798 kWh /24 h	13.40 kWh/24 h	14.98kWh/24h
Refrigerant	R600a	R600a	R404A/R290	R290



Mehrotra Biotech Pvt. Ltd.

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