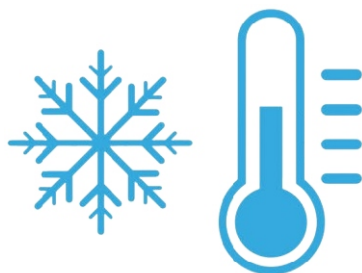




# MEDICAL & LAB REFRIGERATOR

**Precision cooling solutions  
for healthcare & research.**

Safeguarding life sciences with uncompromised cooling.  
Built for hospitals, pharmacies, and research facilities,  
these refrigerators deliver accurate temperature control,  
energy efficiency, and long-term durability.



# PHARMA & LAB REFRIGERATOR

DUAL PANE GLASS DOOR



## USP

- AIR CIRCULATING FAN
- AUTO DEFROST SYSTEM
- ERGONOMIC HANDLE WITH LOCK & KEY
- FLAT & STURDY SHELVES
- DIGITAL MICRO CONTROLLER PROCESSOR WITH LED DISPLAY
- 4 WHEELS WITH BRAKE

## TECHNICAL DESCRIPTION

### Operating Temperature Range:

- +2°C to +8°C (adjustable)
- Uniform cooling maintained throughout the chamber

### Cooling System:

- Auto defrost system for hassle-free operation
- Forced air circulation with air circulating fan ensures uniform temperature distribution

### Control System:

- Advanced digital microcontroller-based processor
- High/low temperature audio-visual alarm system for safety
- Digital temperature display with precise control

### Construction & Design:

- Robust construction for long-term durability
- Front dual-pane glass door with anti-condensation technology for clear visibility
- Ergonomic handle with lock & key feature for sample safety
- Heavy-duty castor wheels (4 nos.) with brakes for easy mobility and stability

### Capacity Range:

- Available in multiple sizes: 200 Liters to 1500 Liters

### Certifications & Compliance:

- ISO 9001:2015 (Quality Management)
- ISO 14001:2015 (Environmental Management)
- ISO 13485:2016 (Medical Devices – Quality Management)
- CE Certified – complies with European safety & performance standards

### Safety Features:

- Lockable door for controlled access
- Temperature alarms for deviations
- Power failure protection (optional battery backup available in some models)

### Applications:

- Ideal for storage of vaccines, medicines, biological samples, reagents, and laboratory chemicals

# PHARMA & LAB REFRIGERATOR

## Laboratory Refrigerator Single Door (2°C To 8°C)

- Air Circulating Fan
- Auto Defrost System
- Ergonomic Handle with Lock & Key
- Flat 7 Sturdy Shelves
- Digital Micro Controller Processor with LED Display
- 4 Wheel with Brake
- High/low temperature audio-visual alarm system for safety

| Item Code | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|-----------|-----------------|----------------------|----------------------|----------------|
| JW-200    | 200             | 450 X 539 x 1464     | 380 X 425 X 1100     | 5              |
| JW-250    | 250             | 450 X 539 X1724      | 380 X 425 X 1350     | 5              |
| JW-300    | 300             | 576 X 650 X 1454     | 492 X 551 X 1050     | 7              |
| JW-400    | 400             | 576 X 650 X 1724     | 492 X 551 X 1320     | 7              |
| JW-450    | 450             | 576 X 650 X 2055     | 492 X 551 X 1664     | 7              |
| JW-500    | 500             | 620 X 676 X 1897     | 540 X 577 X 1660     | 8              |



## Laboratory Deep Freezer (-20°C)

- Build for tropical climates, tested at 41°C / 75% RH ambient
- Controlled reliable functionality with fitted in controller
- Wide display area
- Low maintenance condenser
- Easy serviceability with quick electrical connectors and easy access components
- Fast defrost in and around 2 minutes

| Item Code | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|-----------|-----------------|----------------------|----------------------|----------------|
| JW-DF-300 | 300             | 576 X 650 X 1454     | 492 X 551 X 1050     | 4              |
| JW-DF-400 | 400             | 672 X 690 X 2046     | 552 X 535 X 1400     | 5              |
| JW-DF-500 | 500             | 672 X 690 X 2200     | 552 X 535 X 1660     | 5              |

\* Vertical Deep Freezer having cabin insulation 60mm with Door Lock.

# PHARMA & LAB REFRIGERATOR



## USP

- AIR CIRCULATING FAN
- AUTO DEFROST SYSTEM
- ERGONOMIC HANDLE WITH LOCK & KEY
- FLAT & STURDY SHELVES
- DIGITAL MICRO CONTROLLER PROCESSOR WITH LED DISPLAY
- 4 WHEELS WITH BRAKE

## Laboratory Refrigerator Double Door (2°C To 8°C)

- Air Circulating Fan
- Auto Defrost System
- Ergonomic Handle with Lock & Key
- Flat 7 Sturdy Shelves
- Digital Micro Controller Processor with LED Display
- 4 Wheel with Brake
- High/low temperature audio-visual alarm system for safety

| Item Code | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|-----------|-----------------|----------------------|----------------------|----------------|
| JW-1000   | 1000            | 1025 X 745 X 2030    | 941 X 648 X 1581     | 14             |

# PHARMA & LAB REFRIGERATOR



## Laboratory Deep Freezer (-40°C)

- Build for tropical climates, tested at 41°C / 75% RH ambient
- Controlled reliable functionality with fitted in controller
- Wide display area
- Low maintenance condenser
- Easy serviceability with quick electrical connectors and easy access components
- Fast defrost in and around 2 minutes

| Item Code | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|-----------|-----------------|----------------------|----------------------|----------------|
|-----------|-----------------|----------------------|----------------------|----------------|

|            |     |                  |                  |   |
|------------|-----|------------------|------------------|---|
| JW-IDF-300 | 300 | 576 X 650 X 1454 | 492 X 551 X 1050 | 4 |
| JW-IDF-400 | 400 | 672 X 690 X 2046 | 552 X 535 X 1400 | 5 |
| JW-IDF-500 | 500 | 672 X 690 X 2200 | 552 X 535 X 1660 | 5 |

\* Vertical Deep Freezer having cabin insulation 60mm with Door Lock.



- Tropical ideal for 43°C
- IP24
- All Components Safety Certified
- European design and Engineering
- Corrosion resistant body
- High energy efficiency compressor
- Anti rodent protection system
- Maintenance Free Condenser
- Soft look and robust design

# ICE LINED REFRIGERATOR



## Ice Lined Refrigerator (2°C To 8°C)

The Ice Lined Refrigerator (ILR) is designed as per WHO PQS E003/RF03 standards for safe vaccine storage. It maintains a stable temperature range of +2°C to +8°C ensuring complete protection of vaccines and other temperature-sensitive medicines. Built with Grade A freeze protection, it eliminates the risk of accidental freezing. The ILR is equipped with PUF insulation, CFC-free refrigerant, and ice-lined walls, which provide an extended hold-over time of more than 24 hours at 43°C ambient temperature, even during power outages.

It comes with an automatic defrost system, microprocessor-based digital temperature controller, and audio-visual alarms to alert for temperature deviations. Optional accessories like data loggers, remote monitoring systems, and voltage stabilizers can also be integrated. The ILR is designed for tropical climates, operating efficiently in the ambient range of 5°C to 43°C.

Available in different gross capacities ranging typically from 225 liters to 500 liters (and beyond), it offers reliable vaccine storage volumes as per WHO recommendations. The chest-style construction with lockable lid, internal baskets, and sturdy design ensures safe, long-term usage.

With ISO 9001, ISO 13485, ISO 14001, and CE certifications, the Ice Lined Refrigerator meets all international quality and safety standards, making it the ideal solution for hospitals, health centers, and vaccination programs worldwide.

| Item Code  | Capacity (Ltr.) | External (Dimension) | No. of Basket |
|------------|-----------------|----------------------|---------------|
| JW-ILR-225 | 225             | 831 X 666 X 845      | 4             |
| JW-ILR-300 | 300             | 1120 X 666 X 845     | 4             |
| JW-ILR-500 | 500             | 1692 X 666 X 845     | 5             |



# BLOOD BANK REFRIGERATOR

## Blood Bank Refrigerator Single Door (2°C To 8°C) With Chart Recorder

- Air Circulating Fan
- Auto Defrost System
- Ergonomic Handle with Lock & Key
- Flat 7 Sturdy Shelves
- Digital Micro Controller Processor with LED Display
- 4 Wheel with Brake
- High/low temperature audio-visual alarm system for safety
- It also comes with chart recorder.
- It also comes with digital data logger.

| Item Code | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|-----------|-----------------|----------------------|----------------------|----------------|
| JW-200BB  | 200             | 450 X 539 x 1464     | 380 X 425 X 1100     | 5              |
| JW-250BB  | 250             | 450 X 539 X1724      | 380 X 425 X 1350     | 5              |
| JW-300BB  | 300             | 576 X 650 X 1454     | 492 X 551 X 1050     | 7              |
| JW-400BB  | 400             | 576 X 650 X 1724     | 492 X 551 X 1320     | 7              |
| JW-450BB  | 450             | 576 X 650 X 2055     | 492 X 551 X 1664     | 7              |
| JW-500BB  | 500             | 620 X 676 X 1897     | 540 X 577 X 1660     | 8              |



## Blood Bank Deep Freezer (-20°C) With Chart Recorder

- Build for tropical climates, tested at 41°C / 75% RH ambient
- Controlled reliable functionality with fitted in controller
- Wide display area
- Low maintenance condenser
- Easy serviceability with quick electrical connectors and easy access components
- Fast defrost in and around 2 minutes
- It also comes with chart recorder.
- It also comes with digital data logger.

| Item Code   | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|-------------|-----------------|----------------------|----------------------|----------------|
| JW-DF-300BB | 300             | 576 X 650 X 1454     | 492 X 551 X 1050     | 4              |
| JW-DF-400BB | 400             | 672 X 690 X 2046     | 552 X 535 X 1400     | 5              |
| JW-DF-500BB | 500             | 672 X 690 X 2200     | 552 X 535 X 1660     | 5              |

\* Vertical Deep Freezer having cabin insulation 60mm with Door Lock.

# MORTUARY CABINET

## Mortuary Cabinet – 2 Body to 8 Body

- Capacity options: 2 / 4 / 6 / 8 body chambers
- Digital temperature control with display
- Heavy-duty refrigeration system with auto defrost (optional)
- High-quality stainless steel interior & exterior for durability and hygiene
- Lockable insulated doors with individual access
- Easy-slide body trays with smooth rollers
- Heavy-duty castor wheels with brakes for mobility
- ISO & CE certified for safety and quality compliance



Our Mortuary Cabinet is a reliable, hygienic, and temperature-controlled storage solution designed for hospitals, medical colleges, post-mortem centers, and forensic departments. Built with high-quality stainless steel and advanced refrigeration technology, these cabinets ensure safe preservation of bodies over both short and long durations.

The system operates within a temperature range of 0°C to –5°C (standard) or up to –15°C (optional deep freezing model), controlled by a digital microprocessor-based temperature controller for accurate performance. Each chamber is fully insulated with high-density PUF to maintain uniform cooling and energy efficiency.

The doors are individually lockable, fitted with durable gaskets and ergonomic handles to prevent unauthorized access and ensure hygiene. Easy-to-slide body trays with rollers allow smooth handling. The cabinet is mounted on heavy-duty castor wheels (with brakes) for easy mobility and positioning.

Available in models from 2 bodies, 4 bodies, 6 bodies, and 8 bodies, these cabinets can be customized as per institutional requirements.

| Item Code | Capacity (Body) | External Dimensions (WxDxH) mm | Internal Dimensions (WxDxH) mm | No. of Chamber |
|-----------|-----------------|--------------------------------|--------------------------------|----------------|
| JW-MC-2B  | 2               | 1250 × 850 × 1650              | 550 × 700 × 600 (Each Chamber) | 2              |
| JW-MC-4B  | 4               | 1250 × 850 × 2100              | 550 × 700 × 600 (Each Chamber) | 4              |
| JW-MC-6B  | 6               | 1850 × 850 × 2100              | 550 × 700 × 600 (Each Chamber) | 6              |
| JW-MC-8B  | 8               | 2500 × 850 × 2100              | 550 × 700 × 600 (Each Chamber) | 8              |

# PHARMA & LAB REFRIGERATOR

## Ultra Low Vertical ULT Freezer (-86°C)

The Ultra Low Vertical ULT Freezer is specially designed for long-term storage of biological samples, vaccines, blood components, enzymes, viruses, tissues, and other research materials requiring extreme low temperatures. With advanced refrigeration technology, powerful insulation, and precise temperature control, it ensures sample safety and reliability for laboratories, hospitals, biobanks, and research institutes.

### Technical Specifications

- Temperature Range: -40°C to -86°C (adjustable)
- Cooling System: Cascade refrigeration with CFC/HCFC-free refrigerants
- Controller: Microprocessor-based digital temperature controller with large LED/LCD display
- Alarm System: Audio-visual alarms for high/low temperature, power failure, door open, and system error

### Construction:

- Exterior: Powder-coated steel
- Interior: Stainless Steel for hygiene & durability
- High-density polyurethane (PUF) insulation (≥120 mm) for maximum cold retention

### Door System:

- Single or double solid doors (vertical) with vacuum-sealed gaskets
- Lockable handle with key for safety
- Inner doors (compartmentalized) to minimize temperature loss

**Capacity Options:** Available in various sizes from 100 Liters to 800 Liters (customizable on request)

**Mobility:** Heavy-duty castor wheels with brakes

**Data Logging:** USB interface / optional remote monitoring system

**Power Supply:** 220–240V, 50/60Hz AC (other options available)

**Certifications:** ISO 9001, ISO 13485, ISO 14001, CE Certified

### Key Features

- Ultra-low storage at -86°C for maximum sample protection
- Cascade refrigeration system with eco-friendly refrigerants
- Energy efficient compressor with low noise operation
- Multiple safety protections with password-protected controller
- Backup options available: CO<sub>2</sub> backup / LN<sub>2</sub> backup (optional)

| Item Code  | Capacity (Ltr.) | External (Dimension) | Internal (Dimension) | No. of Shelves |
|------------|-----------------|----------------------|----------------------|----------------|
| JW-ULT-437 | 437             | 790x1100x1950        | 460x720x1310         | 3              |
| JW-ULT-567 | 567             | 920x1100x1950        | 590x720x1310         | 3              |
| JW-ULT-707 | 707             | 1070x1100x1950       | 740x720x1310         | 3              |





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