

## Freezer Upright, 278L, Temperature -10? to -25?



The **Freezer Upright / Biomedical Freezer** (Model: MSLF25280WSWISS) is a vertical, high-performance freezer designed for biomedical applications. Below is a summary of its key features, safety functions, reliability, and specifications:

### Key Features:

- **Independent Inner Door:** Helps minimize cooling loss and stabilizes internal temperature.
- **Upright Side Door:** Features a built-in handle for easy opening and a hinge limiter to prevent door collisions.
- **Lockable Casters:** Allows easy mobility for customers.
- **Wide Voltage Tolerance:** Supports voltage ranges from 187V to 242V, ensuring operational stability.

#### Safety:

- **Alarms:** Equipped with alarms for high/low temperature, sensor errors, power failure, and door ajar, with both audible buzzing and visible flashing lights.
- **Power Failure Protection:** A start-delay function protects against high currents during simultaneous restarts.
- **Controller Password Protection:** Prevents unauthorized changes to the device's settings.

#### Reliability:

- **Environmentally Friendly Refrigerant:** Uses CFC-free refrigerant R290 for chemical stability and environmental safety.
- **High-Density Insulation:** The freezer is insulated with CFC-free urethane foam, ensuring stability in storage temperature.
- **Microprocessor Control:** Allows adjustable temperature settings between -25°C and -10°C, displayed clearly on an LED or LCD digital screen.

#### Specifications:

- **Chamber Volume:** 278L
- **Power Supply:** 220V AC, 50/60Hz
- **Temperature Range:** -10°C to -25°C, controlled by a microprocessor.
- **Dimensions:**
  - Internal: 480 x 415 x 1460 mm
  - External: 659 x 600 x 1694 mm
- **Cooling System:** Manual defrost with CFC-free R290 refrigerant.
- **Compressor:** Equipped with DONPERN compressor.
- **Number of Drawers:** 7
- **Alarm Functions:** For high/low temperatures, sensor errors, and door ajar conditions.

- **Material:** Both internal and external components are made from electro-galvanized steel with an antimicrobial powder coating.
- **Sound Emission:** Operates at 46 dB.
- **Weight:** Net weight 106 kg, gross weight 116 kg.
- **Package Dimensions:** 721 x 672 x 1860 mm.

This freezer is designed to ensure optimal temperature control, safety, and reliability for sensitive biomedical materials.