

Ultra-Low Temperature Freezer/ -86° freezer



Ultra-Low Temperature Freezer

Ultra-Low Temperature Freezer – Model MSCEG97X529USWISS

Introduction:

The -86° freezer is an ultra-low temperature refrigeration unit designed to maintain extremely low temperatures for the preservation of temperature-sensitive samples and materials. It is widely used in scientific research, medical treatment, and biological engineering applications, providing a reliable environment for long-term sample storage.

Technical Parameters:

- **Model:** MSCEG97X529USWISS
- **Capacity:** 418L
- **Shelving:** 3 stainless steel shelves

- **Refrigeration Type:** Direct refrigeration
- **Defrosting Type:** Manual
- **Refrigerant:** CFC-free mixed refrigerant
- **Noise Level:** 60 dB(A)
- **Ambient Temperature:** 10? ~ 32?
- **Temperature Range:** -40? to -86?
- **Evaporator:** Built-in copper coil
- **Condenser:** Copper tube with aluminum fins
- **Sensor:** PTC100
- **Thermostat:** Electronic
- **Display:** LCD

Power and Materials:

- **Power Supply:** 110/220V, 50/60Hz
- **Power Consumption:** 1070W / 1870VA
- **Current:** 8.5A
- **Internal Material:** SS304 stainless steel
- **External Material:** Sprayed cold-rolled steel
- **Insulation:** Foamed polyurethane with cyclopentane

Alarms and Interface:

- **Alarm System:** High/low temperature, power failure, thermostat fault, and door switch alarms with both audible and visual indicators
- **Interface:** RS485 (optional), USB port

- **Door:** Lockable outer door with 2 inner doors
- **Temperature Test Port:** 1 port, diameter 30mm

Dimensions and Weight:

- **Internal Dimensions (W x D x H):** 602 x 614 x 1152 mm
- **Net Weight:** 316 kg
- **Gross Weight:** 346 kg

The MSCEG97X529USWISS ultra-low temperature freezer offers robust design, precise temperature control, and extensive safety features, ideal for demanding scientific and medical applications.