

Ultra Low -86°C Temperature Freezer, Dual System



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Model: MSVGAN86W588QSWISS

Ergonomic Design

- 1. Upright Door:** Features a limit hinge to prevent accidental collisions during use.
- 2. Caster Wheels:** Lockable universal caster wheels make the freezer easy to move and position.
- 3. Removable Inner Door:** Facilitates easy defrosting and cleaning.

Specifications

Parameter	Specification
Model	MSVGAN86W588QSWISS
Capacity	588L
Internal Dimensions (WxDxH)	606 × 738 × 1310 mm
External Dimensions (WxDxH)	891 × 1155 × 1994 mm
Temperature Range (?)	-40 ~ -86 (Room Temperature 10~32?)
Sensor	PTC
Controller	Microprocessor
Cooling System	Refrigerant: R4001 (CFC Free) Defrost: Manual Compressors: SECOP (2 Units)
Display	LCD Display
Alarm System	Audible & Visible alarms for: <ul style="list-style-type: none"> - High/low temperature - High ambient temperature - Sensor error - Abnormal voltage - Low battery - Door ajar - 72h power failure backup system
Material	Internal: Stainless steel, Grade 304 External: Electro-galvanized steel with antimicrobial powder coating Inner Door: Stainless steel, Grade 304
Accessories	Standard: USB port, casters, remote alarm port, 25mm test hole Optional: Data logger, CO ₂ /LN ₂ backup system
Shelves/Drawers	3 adjustable shelves
Optional Frozen Racks	16 racks (5x5)

Parameter	Specification
	400 boxes (2 inches) 40,000 samples (2ml)
Sound Emission	53 dB
Power Supply	AC110/220V \pm 10%, 50/60Hz
Power Consumption	1500W
Net Weight/Gross Weight	303 kg / 332 kg
Shipping Dimensions (WxDxH)	970 x 1138 x 2185 mm

Features

Advanced Cooling System

- 1. Dual System Security:** Two independent cooling systems ensure uninterrupted performance, maintaining a temperature of -70°C even if one system fails.
- 2. Precision Control:** Accurate microprocessor ensures a temperature range of -86°C to -40°C with 1°C increments.
- 3. Rapid Cooling:** Unique design supports fast temperature decreases for enhanced efficiency.

Construction and Design

- 1. Safety Inner Door:** Ensures a tight seal, optimizing temperature stability and energy efficiency.
- 2. Durable Material:** Chamber constructed with Grade 304 stainless steel for easy cleaning and long-term reliability.
- 3. Adjustable Shelves:** Users can customize the internal layout to fit specific storage needs.

Reliability and Safety

1. **Password-Protected Control Panel:** Prevents unauthorized access or system modifications.
2. **Comprehensive Alarm System:** Includes alarms for temperature deviations, power failures, condenser issues, and more.
3. **Secure Storage:** Equipped with a door lock to protect samples from tampering.

The **MSVGAN86W590QSWISS Ultra Low Temperature Freezer** is an ideal solution for laboratories requiring precise, secure, and reliable ultra-low-temperature storage, designed for user convenience and long-term performance.