Ultra Low -86°C Temperature Freezer, Dual System

Model **MSVGAN86W588QSWISS** | Brand **Master Science** | Unit **Pc**



Ultra Low -86°C Temperature Freezer

Ultra Low -86°C Temperature Freezer, Dual System Model: MSVGAN86W588QSWISS Ergonomic Design Upright Door: Features a limit hinge to prevent accidental collisions during use. Caster Wheels: Lockable universal caster wheels make the freezer easy to move and position. Removable Inner Door: Facilitates easy defrosting and cleaning.

KEY HIGHLIGHTS

- Upright Door
- Caster Wheels
- Removable Inner Door
- Dual System Security
- Rapid Cooling

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Key Features

Upright Door
Features a limit hinge to prevent accidental collisions during use.

Caster Wheels
Lockable universal caster wheels make the freezer easy to move and position.

Removable Inner Door
Facilitates easy defrosting and cleaning.

ADVANCED COOLING SYSTEM

Dual System Security
Two independent cooling systems ensure uninterrupted performance, maintaining a temperature of -70°C even if one system fails.

Rapid Cooling
Unique design supports fast temperature decreases for enhanced efficiency.

Safety Inner Door
Ensures a tight seal, optimizing temperature stability and energy efficiency.

Durable Material
Chamber constructed with Grade 304 stainless steel for easy cleaning and long-term reliability.

Adjustable Shelves
Users can customize the internal layout to fit specific storage needs.

RELIABILITY AND SAFETY

Password-Protected Control Panel
Prevents unauthorized access or system modifications.

Comprehensive Alarm System
Includes alarms for temperature deviations, power failures, condenser issues, and more.

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.

Technical Specifications

PARAMETER	SPECIFICATION
ParameterSpecification	
Capacity588L	
Internal Dimensions (W×D×H)606 × 738 × 1310 mm	
External Dimensions (W×D×H)891 × 1155 × 1994 mm	
Temperature Range (℃)-40 ~ -86 (Room Temperature 10~32℃)	
SensorPTC	
ControllerMicroprocessor	
DisplayLCD Display	
Shelves/Drawers3 adjustable shelves	
Optional Frozen Racks16 racks (5x5) 400 boxes (2 inches) 40,000 samples (2ml)	
Sound Emission53 dB	
Power SupplyAC110/220V ±10%, 50/60Hz	
Power Consumption1500W	
Net Weight/Gross Weight303 kg / 332 kg	
Shipping Dimensions (W×D×H)970 × 1138 × 2185 mm	
Cooling SystemRefrigerant	R4001 (CFC Free) Defrost: Manual Compressors: SECOP (2 Units)
Alarm SystemAudible & Visible alarms for	- High/low temperature - High ambient temperature - Sensor error - Abnormal voltage - Low battery - Door ajar - 72h power failure backup system
MaterialInternal	Stainless steel, Grade 304 External: Electro-galvanized steel with antimicrobial powder coating Inner Door: Stainless steel, Grade 304
AccessoriesStandard	USB port, casters, remote alarm port, 25mm test hole Optional: Data logger, CO_2/LN_2 backup system
Precision ControlAccurate microprocessor ensures a temperature range of -86℃ to -40℃ with 1℃ increments.	