Plant Growth Chamber with Tissue Culture Facility

Model **MSGQH250SWISS** | Brand **Master Science**



Plant Growth Chamber

Plant Growth Chamber with Tissue Culture FacilityModel: MSGQH250SWISS Volume: 250 L Features and Capabilities: Temperature Range: Without Illumination: 5–65°C With Illumination: 10–65°C Illumination Range: 0–30,000 Lux (adjustable in multiple degrees) Humidity Range: 40%–95% RH Screen: 7.0-inch true color touchscreen Programmable: 30 sections for temperature, humidity, and illumination Lighting Plates: Includes 4 adjustable illumination plates Primary Usage:Designed for...

AT A GLANCE

5–65°C; With Illumination: 10–65°C
TEMPERATURE RANGEWITHOUT ILLUMINATION

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Key Features

- Double-door design with high-quality starlite glass for clear observation.
- Large 7.0-inch true color display allows users to view historical temperature data and schedule operations conveniently.
- Full-spectrum LED top light offering low thermal radiation, long service life, and adjustable partitions for flexibility.
- Built-in humidifier for uniform humidity distribution, efficient water consumption, and automatic water refills.
- Equipped with backflow valves and compressors for enhanced durability.
- Features high-quality imported temperature and humidity sensors with a reliable compressor.

AUTOMATIC SHUT-OFF FOR OVERHEATING.

- System diagnostics for compressor failure or temperature irregularities.

Technical Specifications

PARAMETER	SPECIFICATION
Volume250 L	
Without Illumination5–65°C	
With Illumination10–65°C	
Illumination Range0–30,000 Lux (adjustable in multiple degrees)	

PARAMETER	SPECIFICATION
Humidity Range40%–95% RH	
Screen7.0-inch true color touchscreen	
Programmable30 sections for temperature, humidity, and illumination	
Lighting PlatesIncludes 4 adjustable illumination plates	
ParameterMSGQH250SWISS	
Cycle ModeForced convection, rear microprocessor airflow	
Temperature RangeWithout Illumination	**5–65°C; With Illumination: 10–65°C**
Temperature Resolution± 0.1°C	
Temperature Uniformity± 1.0°C	
IlluminationFull spectrum	0–30,000 Lux, adjustable
Humidity Range40%–95% RH	
Humidity Resolution± 5% RH	
Inner Chamber MaterialSUS304 Stainless Steel	
Outer ShellCold-rolled steel with electrostatic spray finish	
Insulation MaterialPolyurethane	
Light BarrierFour-layer full-spectrum LED lamp board	
HeaterStainless steel heating tube	
Power Rating2.0 kW	
CompressorImported air-cooled sealed compressor	
CoolantR134A	
Defrosting StructureAutomatic	
Humidity ControlAutomatic	
Valve Port Diameter10 mm	
Temperature Control30 sections programmable	
Display Mode7.0-inch true color touchscreen	
Program FeaturesFixed temperature operation, auto-timing, program scheduling	
SensorPT100 temperature sensor; Imported chip humidity sensor	
Inner Chamber Size (W×L×H)600×500×840 mm	
Exterior Size (W×L×H)794×720×1860 mm	
Packing Size (W×L×H)893×825×1850 mm	
Volume250 L	
Net/Gross Weight225/255 kg	
Shelf Space120 mm	
Number of Shelves4	
Safety FeaturesOver-temperature auto-shutdown, system diagnostics for compressor and temperature malfunctions	

Optional Accessories

- Light barrier
- USB interface with computer software
- Printer
- Wireless SMS alarm
- CO2 concentration control