Natural Convection Drying Oven, 50L

Model **MSCPO50SSWISS** | Brand **Master Science**



The MSCPO50SSWISS Natural Convection Drying Oven is designed for applications requiring gentle drying and uniform heating. It features low air turbulence, making it ideal for sterilization, powder drying, and high-temperature storage. Equipped with a 4.3-inch touchscreen controller, it ensures fast, accurate, and uniform heat distribution.

KEY HIGHLIGHTS

- Easy Cleaning
- Data Port
- Additional Information

Request a Quotation
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Overview

The oven is engineered with airtight doors, corrosion-resistant stainless-steel inner chambers, and a range of safety features, ensuring maximum efficiency, safety, and user convenience.

Key Features

HEATING TECHNOLOGY

- P.I.D temperature controller for precise and reliable temperature control.
- Natural convection heating for uniform sample temperature, ideal for sterilization, powder drying, and high-temperature storage.

DURABLE AND USER-FRIENDLY DESIGN

- Extended-life silicone rubber gasket for excellent sealing and long service life, with easy replacement when needed.
- Corrosion-resistant stainless-steel inner chamber with round curved edges for easy cleaning.

ANTI-SKID SHELF DESIGN FOR ONE-HANDED OPERATION.

- Space-saving stackable design for efficient use of laboratory space.

ADVANCED CONTROLLER

- New color 4.3-inch touchscreen controller for intuitive operation.
- Programmable settings with 8 periods and 8 steps for a total of 64 programs.

AUTO-START FUNCTION AFTER POWER LOSS/RETURN.

Over-temperature alarm, temperature deviation alarm, and over-current protection.

Independent over-temperature limit controller for added safety.

CONVENIENCE

Easy Cleaning
Mirror-polished stainless-steel inner chamber with curved inner angles simplifies cleaning and maintenance.

Anti-skid shelf design ensures safety and ease during sample handling.

Data Port
USB port for convenient data collection and storage.

Additional Information
The MSCPO50SSWISS Natural Convection Drying Oven combines precision, safety, and user-friendly features, making it a versatile solution for laboratory applications such as sterilization, drying, and high-temperature storage. Its durable design and advanced programmable controller ensure consistent and reproducible results, meeting all your lab's requirements.

Technical Specifications

PARAMETER	SPECIFICATION
FeatureDetails	
StackableYes	
Internal Volume1.8 cu ft (50 liters)	
Temperature RangeAmbient+10°C to 300°C (572°F)	
Uniformity at 100°C±3.0°C	
Temperature Stability±0.5°C	
Display Resolution0.1°C	
Maximum # of Shelves6	
Test Hole DiameterØ5mm	
Max. Load per Shelf44.1 lb (20 kg)	
Internal Dimensions (WxHxD)15.8 × 14.9 × 13.0 inches (400 × 380 × 330 mm)	
External Dimensions (WxHxD)27.2 × 25.2 × 18.4 inches (690 × 640 × 468 mm)	
Net Weight99.2 lb (45 kg)	
Timer00	01 ~ 99:59 hh:mm
Electrical Requirements220V, 60Hz	
Power Consumption1600W	
Number of Shelves2	