Touchscreen Rotary Evaporator - 1 L Rotavap with Vacuum Control - 0-310 rpm - 2 mbar

Model **MSREV-1000AXSWISS** | Brand **Master Science**







The Master Science Touchscreen Rotary Evaporator integrates vacuum control, automatic lift and programmable distillation into a compact 1 L system. A large colour touchscreen shows all run data, and 40 common methods can be stored for one-key start.

KEY HIGHLIGHTS

- Fully programmable
- Unattended safety
- One-key repeat runs
- Compact system
- Documented results

AT A GLANCE

25 to 1000 mL
FLASK RANGE

0 to 310 rpm, touchscreen display
ROTATION SPEED

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

The built-in vacuum controller supports 10-step gradient programs and releases pressure automatically at the end of a run, while the flask lifts out of the bath and the system goes into standby.

Overview

- Large colour touchscreen
- 40 method memory
- 10-step vacuum gradient

Key Benefits

Fully programmable
the Master Science Touchscreen Rotary Evaporator runs 10-step vacuum gradients to avoid bumping.

Unattended safety
at the end of a run it vents, lifts the flask and goes to standby.

One-key repeat runs
40 stored methods restart common distillations instantly.

Compact system
vacuum control is built in, saving bench space.

Documented results
USB export and printing record every run.

For a simpler manual-lift unit, see the Master Science compact rotary evaporator.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSREV-1000AXSWISS
SKU	MSREV-1000AXSWISS
Flask Range	**25 to 1000 mL**
Rotation Speed	0 to 310 rpm, touchscreen display
Rotation Modes	Forward, reverse, interval (0 to 60 s pause)
Evaporation Rate	Up to 25 mL/min (water)
Vacuum Control	0 to -0.1 MPa (0 to 1013 mbar); 10-step gradient; automatic release
Ultimate Vacuum	About 2 mbar
Stored Methods	40
Bath Temperature	Water: ambient to 99 °C (±0.5 °C); oil: ambient to 210 °C (±2 °C)
Bath	Teflon-coated, Ø20 × 11.5 cm, about 3.5 L; slides 120 mm; safety handle and cover
Heater	Enclosed, 1 kW
Lift	Automatic with safety stop
Timer	0 to 999 min with auto release, lift and standby
Safety	Dry-run and over-temperature warnings; motor fault alarm
Condenser	Vertical three-layer serpentine, 0.18 m², drip point and anti-backflow
Seals	PTFE
Data	USB export and printing
Power Supply	AC 220 V, 50 Hz

DIMENSIONS & WEIGHT	
Dimensions	55 × 36 × 64 cm
Gross Weight	34 kg

COMMON LABORATORY PROBLEMS AND HOW THIS EVAPORATOR HELPS	
Common Laboratory Problems and How This Evaporator Helps	How the Master Science Touchscreen Rotary Evaporator improves evaporation work:
Bumping when vacuum is applied too fast	gradient control lowers pressure step by step.
Forgetting to vent after runs	automatic release protects the sample.
Re-entering parameters each day	stored methods start with one key.
Separate vacuum controller clutter	control is built into the unit.
Dry heating accidents	dry-run warning and auto standby protect the bath.

Applications

The Master Science Touchscreen Rotary Evaporator is used for: Chromatography fraction concentration Synthesis work-up and solvent removal Natural product extraction Pharmaceutical R&D Food and flavour research

Automation

- Automatic lift and safety stop
- Automatic pressure release
- Timer with standby

Hardware

- Integrated glass shaft
- Teflon-coated sliding bath
- 0.18 m² serpentine condenser

Standard Accessories Included

- 1 L evaporating flask
- 0.5 L collection flask (S35 ball joint)
- Transparent bath cover

Optional Accessories

- Diaphragm vacuum pump
- Low-temperature circulator