Shaking Water Bath - Thermostatic Water Bath Oscillator - 32 L, 60-280 rpm - RT to 100°C

Model **MSWB-S300ASWISS** | Brand **Master Science**





The Master Science Thermostatic Water Bath Oscillator combines a heated water bath with rotary shaking for culture and incubation work. It is used for microbial culture and for research in food, biology, medicine, agriculture and environmental protection.

KEY HIGHLIGHTS

- Controlled culture conditions
- Large capacity
- Flexible flask holding
- Long service life

AT A GLANCE

RT to 100°C TEMPERATURE RANGE	**≥ 490 × 390 × 170 mm** WORKING CHAMBER
1500 W HEATING POWER	**≤ ±1°C** TEMPERATURE ACCURACY

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Overview

The stainless steel working chamber holds 32 L, with a usable area of 490 × 390 × 170 mm and a working load of 12 kg. Water temperature is controlled from ambient to 100°C with ±1°C accuracy on an LED display, and the Master Science Thermostatic Water Bath Oscillator shakes at 60 to 280 rpm with a 20 mm amplitude, holding flasks in stainless steel spring clamps.

> Static water baths cannot keep cultures aerated and mixed. The Master Science Thermostatic Water Bath Oscillator helps with:

Overview

- Rotary oscillation
- 60 to 280 rpm
- Amplitude ≥ 20 mm
- Timer 0 to 9999 min

Key Benefits

Controlled culture conditions
Accurate heating with steady rotary shaking.

Large capacity
32 L chamber with a 12 kg working load.

Flexible flask holding
Universal stainless steel spring clamps.

Long service life
Stainless steel construction for durability.

For reciprocating motion with PID control, see our reciprocating water bath shaker.

Technical Specifications

GENERAL

General	Technical data of the Master Science Thermostatic Water Bath Oscillator:
Brand	Master Science
Model Number	MSWB-S300ASWISS
SKU	MSWB-S300ASWISS
Brand	Master Science
Model	MSWB-S300ASWISS
SKU	MSWB-S300ASWISS
Temperature Range	**RT to 100°C**
Temperature Accuracy	**≤ ±1°C**
Speed	60 to 280 rpm
Oscillation Mode	Rotary
Amplitude	≥ 20 mm
Timer	0 to 9999 min
Working Chamber	≥ 490 × 390 × 170 mm
Volume	32 L
Working Load	12 kg
Display	LED digital

POWER

Heating Power	1500 W
Power Supply	220 V, 50 Hz

DIMENSIONS & WEIGHT

External Dimensions	710 × 530 × 490 mm
Net Weight	36 kg

PROBLEMS THE MASTER SCIENCE THERMOSTATIC WATER BATH OSCILLATOR SOLVES

Poor aeration of cultures	Rotary shaking keeps flask contents moving.
Temperature variation	Accurate ±1°C control.
Mixed flask sizes	Spring clamps adapt to different flasks.
Unattended runs	A timer up to 9999 minutes.

The Master Science Thermostatic Water Bath Oscillator is used in

- **Microbial culture**
- **Food testing laboratories**
- **Biological and medical research**
- **Agricultural research**
- **Environmental protection laboratories**

Temperature

- RT to 100°C
- ≤ ±1°C accuracy
- LED digital display
- 1500 W heater

Construction

- Stainless steel working chamber
- Universal stainless steel spring clamp
- Drain tap

Standard Accessories Included

- Water bath oscillator main unit
- Spring clamp platform