Ultrasonic Cleaner - Power-Adjustable Heated Ultrasonic Bath - 40 kHz - 3L to 30L, RT-80°C

Model **MSUSC0340DPSWISS, MSUSC0440DPSWISS, MSUSC0640DPSWISS, MSUSC1040DPSWISS, MSUSC1540DPSWISS, MSUSC2240DPSWISS, MSUSC3040DPSWISS** | Brand **Master Science**









The Master Science Power-Adjustable Ultrasonic Cleaner is a heated 40 kHz ultrasonic bath for laboratories, schools, pharmaceutical, food, healthcare and chemical facilities. Seven tank sizes from 3 L to 30 L cover everything from small vials and lenses to bulky glassware and machine parts.

KEY HIGHLIGHTS

- One bath, many tasks
- Faster degassing
- Controlled temperature
- Easy draining
- Also see our 6 L ultrasonic bath for routine cleaning.

AT A GLANCE

RT to 80°C
TEMPERATURE CONTROL

200 / 300 / 400 / 500 / 600 / 800 / 800 W
HEATING POWER

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

support@themsci.com
www.themsci.com

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Overview

Ultrasonic output can be set anywhere from 10% to 100%, so the same unit handles gentle sample work such as degassing and dissolving as well as heavy cleaning. Integrated heating with thermostatic control up to 80°C and a 0 to 480 minute timer make the Master Science Power-Adjustable Ultrasonic Cleaner a versatile bench tool.

Fixed-power baths can be too harsh for samples or too weak for dirty parts. The Master Science Power-Adjustable Ultrasonic Cleaner helps with:

Key Benefits

One bath, many tasks
Adjustable power suits delicate sample preparation and tough cleaning jobs.

Faster degassing
Dissolved air is driven out of the liquid quickly for more effective cavitation.

Controlled temperature
Precise heating up to 80°C improves cleaning and dissolving.

Easy draining
Models of 6 L and above include a drain and anti-slip handles.

Also see our 6 L ultrasonic bath for routine cleaning.

Technical Specifications

GENERAL	
General	Technical data of the Master Science Power-Adjustable Ultrasonic Cleaner:
Brand	Master Science
Model Number	MSUSC0340DPSWISS, MSUSC0440DPSWISS, MSUSC0640DPSWISS, MSUSC1040DPSWISS, MSUSC1540DPSWISS, MSUSC2240DPSWISS, MSUSC3040DPSWISS
SKU	MSUSC0340DPSWISS, MSUSC0440DPSWISS, MSUSC0640DPSWISS, MSUSC1040DPSWISS, MSUSC1540DPSWISS, MSUSC2240DPSWISS, MSUSC3040DPSWISS
Brand	Master Science
Models	MSUSC0340DPSWISS (3 L), MSUSC0440DPSWISS (4 L), MSUSC0640DPSWISS (6 L), MSUSC1040DPSWISS (10 L), MSUSC1540DPSWISS (15 L), MSUSC2240DPSWISS (22.5 L), MSUSC3040DPSWISS (30 L)
SKU	MSUSC0340DPSWISS, MSUSC0440DPSWISS, MSUSC0640DPSWISS, MSUSC1040DPSWISS, MSUSC1540DPSWISS, MSUSC2240DPSWISS, MSUSC3040DPSWISS
Temperature Control	RT to 80°C
Timer	0 to 480 min, adjustable
Transducer	Piezoelectric PZT ceramic, variable frequency

POWER	
Frequency	40 kHz
Ultrasonic Power	120 / 180 / 180 / 300 / 480 / 600 / 700 W
Power Adjustment	10% to 100%
Heating Power	200 / 300 / 400 / 500 / 600 / 800 / 800 W
Power Supply	220 V, 50 Hz
One power level for every job	10-100% power adjustment matches the task.

DIMENSIONS & WEIGHT	
Tank Dimensions	3 L: 240 × 140 × 100 mm; 4 L: 300 × 155 × 100 mm; 6 L: 300 × 155 × 150 mm; 10 L: 300 × 240 × 150 mm; 15 L: 330 × 300 × 150 mm; 22.5 L: 500 × 300 × 150 mm; 30 L: 500 × 300 × 200 mm
Overall Dimensions	3 L: 265 × 165 × 230 mm; 4 L: 400 × 240 × 315 mm; 6 L: 450 × 255 × 380 mm; 10 L: 450 × 340 × 380 mm; 15 L: 450 × 390 × 395 mm; 22.5 L / 30 L: 655 × 420 × 450 mm
Net Weight	3.2 / 4.2 / 5.4 / 7.4 / 9.4 / 13.3 / 13.8 kg

PROBLEMS THE MASTER SCIENCE POWER-ADJUSTABLE ULTRASONIC CLEANER SOLVES	
Slow or uneven cleaning	Heating and rapid degassing improve cavitation efficiency.
Hard-to-reach contamination	Ultrasonic action cleans complex shapes and fine channels.
Awkward emptying of large tanks	Larger models have a built-in drain.

Applications

The Master Science Power-Adjustable Ultrasonic Cleaner is used for: Cleaning laboratory glassware and special vessels

Sample preparation
homogenizing, emulsifying, dispersing and dissolving

Degassing solvents and mobile phases

Extraction and accelerating chemical reactions

Cleaning precision parts, lenses, circuit boards, medical devices and bearings

Ultrasonic System

- 40 kHz frequency
- Power adjustable from 10% to 100%
- Dual-protection circuit with matched transducers
- PZT piezoelectric transducers

Heating and Control

- High-precision heater with thermostat, up to 80°C
- LED control panel
- Timer 0 to 480 min

Convenience

- Drain system on 6 L and larger models
- Anti-slip handles on 6 L and larger models
- Stainless steel tank

Standard Accessories Included

- Ultrasonic cleaner main unit