Multi-Position Magnetic Stirring Heating Mantle - 2, 4 or 6 Places - 250-1000 ml - 0-1600 rpm

Model **MSHMSD-2P5SWISS, MSHMSD-2P10SWISS, MSHMSD-2P20SWISS, MSHMSD-4P5SWISS, MSHMSD-4P10SWISS, MSHMSD-4P20SWISS, MSHMSD-6P5SWISS, MSHMSD-6P10SWISS, MSHMSD-6P20SWISS** | Brand **Master Science**









The Master Science Multi-Position Stirring Heating Mantle heats and stirs several round-bottom flasks at the same time, each position with its own controls. Versions with 2, 4 or 6 positions are available for 250 ml, 500 ml or 1000 ml flasks.

KEY HIGHLIGHTS

- Parallel processing
- Heating and stirring together
- Independent control
- Even heating
- See also our heating mantle range.

AT A GLANCE

RT+20 to 250°C
TEMPERATURE CONTROL RANGE

0 to 1600 rpm, stepless
STIRRING SPEED

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

support@themsci.com
www.themsci.com

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Overview

Heat is delivered by surface conduction from nickel-chromium alloy wire, with electronic temperature regulation from RT+20°C to 250°C and a maximum surface temperature of 450°C. Built-in magnetic stirring with stepless speed control up to 1600 rpm runs simultaneously with heating, making the Master Science Multi-Position Stirring Heating Mantle ideal for parallel reactions and extractions.

Running many flasks on separate heaters takes up space and time. The Master Science Multi-Position Stirring Heating Mantle helps with:

Overview

- Electronic temperature regulation
- RT+20 to 250°C control range
- Nickel-chromium alloy wire elements

Overview

- Magnetic stirring, 0 to 1600 rpm
- Stepless speed adjustment
- PTFE stir bar

Key Benefits

Parallel processing
Run 2, 4 or 6 flasks side by side.

Heating and stirring together
Each position heats and stirs simultaneously.

Independent control
Separate heating and stirring knobs per position.

Even heating
Surface conduction from alloy wire elements.

See also our heating mantle range.

Technical Specifications

GENERAL

General	Technical data of the Master Science Multi-Position Stirring Heating Mantle:
Brand	Master Science
Model Number	MSHMSD-2P5SWISS, MSHMSD-2P10SWISS, MSHMSD-2P20SWISS, MSHMSD-4P5SWISS, MSHMSD-4P10SWISS, MSHMSD-4P20SWISS, MSHMSD-6P5SWISS, MSHMSD-6P10SWISS, MSHMSD-6P20SWISS
SKU	MSHMSD-2P5SWISS, MSHMSD-2P10SWISS, MSHMSD-2P20SWISS, MSHMSD-4P5SWISS, MSHMSD-4P10SWISS, MSHMSD-4P20SWISS, MSHMSD-6P5SWISS, MSHMSD-6P10SWISS, MSHMSD-6P20SWISS
Brand	Master Science
Models	MSHMSD-2P5/2P10/2P20SWISS (2 places), MSHMSD-4P5/4P10/4P20SWISS (4 places), MSHMSD-6P5/6P10/6P20SWISS (6 places)
SKU	MSHMSD-2P5SWISS, MSHMSD-2P10SWISS, MSHMSD-2P20SWISS, MSHMSD-4P5SWISS, MSHMSD-4P10SWISS, MSHMSD-4P20SWISS, MSHMSD-6P5SWISS, MSHMSD-6P10SWISS, MSHMSD-6P20SWISS
Heating Mode	Surface heat conduction
General	Max. Surface Temperature: 450°C
Temperature Control Range	**RT+20 to 250°C**
Stirring Speed	0 to 1600 rpm, stepless
Heating Element	Nickel-chromium alloy wire
Stir Bar	PTFE
Outer Shell	Cold-rolled steel, powder coated
Operation	Continuous

DIMENSIONS & WEIGHT

Flask Size	250 ml, 500 ml or 1000 ml per position
Exterior Size	2 places: 320 × 160 × 170 to 420 × 210 × 200 mm; 4 places: 610 × 160 × 170 to 810 × 210 × 200 mm; 6 places: 940 × 160 × 170 to 1240 × 210 × 200 mm

POWER	
Motor Power	0.01 kW per position
Heating Power per Position	250 ml: 0.15 kW; 500 ml: 0.25 kW; 1000 ml: 0.35 kW
Voltage	100-120 V or 200-240 V (1000 ml versions: 200-240 V)

PROBLEMS THE MASTER SCIENCE MULTI-POSITION STIRRING HEATING MANTLE SOLVES	
Cluttered benches	One unit replaces several single heaters.
Separate stirrers needed	Magnetic stirring is built in.
Uneven flask heating	The mantle wraps the flask for surface conduction.
Running different conditions	Each position has its own controls.

Applications

The Master Science Multi-Position Stirring Heating Mantle is used for: Parallel synthesis and reflux reactions Solvent extraction and distillation Teaching laboratories with multiple student stations Sample digestion in round-bottom flasks Pharmaceutical and chemical research

Construction

- Powder-coated cold-rolled steel housing
- Individual control panel per position
- Continuous operation

Standard Accessories Included

- Heating mantle main unit
- PTFE stir bars