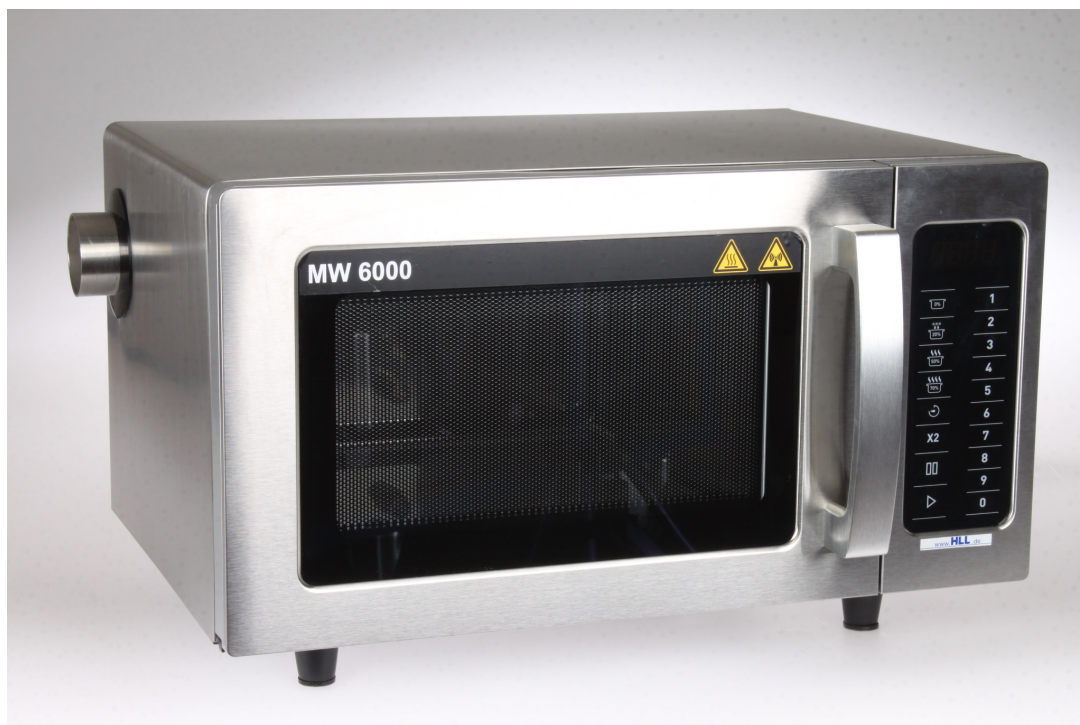


CONTROLLED MICROWAVE PROCESSES

FOR REPRODUCIBLE LABORATORY APPLICATIONS

Laboratory Microwave Models MW6000 and MW6034



CONTROLLED HEATING

Microwave-assisted process control

PROCESS CONNECTIONS

For measuring probes, tubing and media lines

OPTIONAL CONTROL

Temperature and sample mixing

More Than Microwave Heating

A flexible platform for controlled, reproducible laboratory work.



Designed around the process

The MW6000 and MW6034 support controlled and reproducible laboratory processes. Samples can be heated, mixed and connected to external media or exhaust systems.

CORE PROCESS CAPABILITIES

- Five selectable microwave power levels
- Up to three programmable process steps
- Two chamber sizes: 25 L and 34 L

Typical applications

- Sample preparation
- Laboratory drying
- Controlled heating of liquids
- Chemical and process development
- Materials research
- Experimental laboratory setups

MAGNETIC STIRRER FOR MW6000

Continuous mixing of suitable liquid samples during microwave-assisted heating.

ARTICLE NO. 106723505

TRIPLE MAGNETIC STIRRER

ARTICLE NO. 106723208

Interfaces for Individual Laboratory Setups

Designed for measurement, media handling and exhaust extraction.



1 MEDIA FEEDTHROUGHS

Three feedthroughs, each with a diameter of 13 mm, for suitable probes, tubing or process connections.

EXHAUST CONNECTION

DN 50 connection for integration into an appropriate laboratory exhaust installation.

2 CHAMBER DESIGN

Stainless-steel housing and chamber with a ceramic base plate.

Programmable process operation

Five selectable microwave power levels and up to three process steps support sequential laboratory procedures.

0%

20%

50%

70%

100%

PT100 TEMPERATURE AND MICROWAVE POWER CONTROL

Optional component for temperature measurement and microwave power control in the MW6000. Compatibility with other microwave models must be confirmed.

ARTICLE NO. 106723204

FLOW-THROUGH COOLER

Optional component for additional thermal management in the MW6000.

ARTICLE NO. 416773132

SPECIFICATIONS

Technical Data and Ordering Information

Two chamber sizes - one process-oriented system concept.

FEATURE	MW6000	MW6034
Microwave power	1,000 W	900 W
Power levels	0 / 20 / 50 / 70 / 100%	0 / 20 / 50 / 70 / 100%
Process steps	Up to 3	Up to 3
Chamber volume	25 L	34 L
Internal dimensions	327 x 346 x 200 mm	409 x 360 x 240 mm
External dimensions	511 x 432 x 311 mm	574 x 528 x 368 mm
Exhaust connection	DN 50	DN 50
Connected load	1,550 W	2,000 W
Media feedthroughs	3 x dia. 13 mm	3 x dia. 13 mm

Ordering information

106723501	Laboratory Microwave MW6000, 25 L
106723534	Laboratory Microwave MW6034, 34 L
416773132	Flow-Through Cooler
106723505	Magnetic Stirrer for MW6000
106723204	PT100 Temperature and Microwave Power Control
106723208	Triple Magnetic Stirrer - compatibility to be confirmed

Options must be ordered together with a new microwave system unless otherwise specified. Compatibility must be confirmed for combinations not explicitly listed.

ORDERING EXAMPLES

Configuration	Ordering No.
MW6000 Basic System	106723501
MW6000 + Flow-Through Cooler	106723501 + 416773132
MW6000 + Magnetic Stirrer + PT100	106723501 + 106723505 + 106723204
MW6034 Basic System	106723534

Technical consultation and individual solutions

HLL supports you in selecting the appropriate microwave system and optional components for your laboratory process.