

Peptide Shaker LP360-AMPs

Description

The LP360AMP series was specifically developed for solid-phase peptide synthesis (SPPS). Its distinguishing feature is the combination of flexible shaking motion, vacuum integration, and a design optimized for synthesis vessels and resins.

Optional Equipment

- Special clamp for up to four reaction vessels
- Holders for syringes and Falcon tubes

Specifications

- Variable movement modes
- Swivel angles of 15°, 30°, 45°, 60°, 90°, 120° or 180°
- Additionally, full 360° rotation
- This allows the mixing to be adapted to the resin type, vessel size, and reaction step.
- Wide speed range
- 9 speed settings from approximately 4–120 rpm (depending on the set angle).
- Double-sided design: accommodates one or two laboratory holders simultaneously.
- Two clamps are included as standard. Additional holders can be mounted with optional adapters, allowing up to four reaction vessels to be mounted.
- Programmable timer
- Run times up to 24 hours
- Suitable for long coupling or washing steps
- Automatic return to home position: After the program is complete, the unit returns to position "0", facilitating the removal of the reaction vessels.

Special Model with Vacuum Pump

Model LP360AMPv with integrated vacuum pump

The LP360AMPv model is particularly interesting for SPPS applications because it combines shaking and vacuum filtration in a single compact unit, thus reducing manual effort during washing and deprotection steps.

This model features integrated vacuum control directly above the shaker. The unit can drive external water jet or diaphragm pumps or be supplied with an integrated diaphragm pump.



Model LP360AMPk with analog rotary knob



Modell LP360AMPk with digital control

This allows filtration and vacuum extraction steps to be conveniently integrated into the workflow during SPPS.

Further Data from LP360AMPv

- Integrated diaphragm pump available as an option
- Flow rate approx. 250 ml/min
- Suitable for high-boiling solvents such as DMF
- Connection options for external vacuum pumps available.

Peptide Shaker LP360-AMPs

Technical Data

Model	LP360AMPks	LP360AMPs	LP360AMPvs
Shaking process	Adjustable swivel angle (15, 30, 45, 60, 90, 120, and 180°) as well as full rotation		
Speed	9 levels from 4 to 120 rpm (depending on amplitude)		
Timer	up to 2 h	up to 24 h	up to 24 h
Control	Rotary knob	Button	Button
Display	–	Digital display	Digital display
Integrated vacuum pump	No	No, external control possible	Yes
Voltage	100 -240 V AC (24 V DC)		
Material	Stainless steel (also available in white)		
Weight	4.4 / 4.6 kg		
Dimensions (H x W x D)	275 x 220 140 mm		

Option

Easy-to-attach and detach holders for **syringes and Falcon tubes**:

- Holders for syringes from 3–24 ml
- Holder for Eppendorf® and Falcon tubes



Holder for Syringes

Order No.	Description
CLH0302	2 x 3 ml
CLH0304	4 x 3 ml
CLH0308	8 x 3 ml
CLH0602	2 x 6 ml
CLH0604	4 x 6 ml
CLH0608	8 x 6 ml
CLH1202	2 x 12 ml
CLH1204	4 x 12 ml
CLH1208	8 x 12 ml
CLH2402	2 x 24 ml
CLH2404	4 x 24 ml
CLH2408	8 x 24 ml

Eppendorf-/Falcon-Tubes

Order No.	Description
CLH0202	2 x Eppendorf
CLH0204	4 x Eppendorf
CLH0208	8 x Eppendorf
CLH1502	2 x 15 ml Falcon-Tubes schmal
CLH1504	4 x 15 ml Falcon-Tubes schmal
CLH1408	8 x 15 ml Falcon-Tubes schmal
CLH5002	2 x 50 ml Falcon-Tubes
CLH5004	4 x 50 ml Falcon-Tubes
CLH5008	8 x 50 ml Falcon-Tubes