Unimax

The resilient one – ideally suited for differently sized Erlenmeyer flasks

Unimax 1010

- Medium-sized compact model with a loading capacity of 5 kg

- This shaker can be integrated into the modular incubator and is therefore ideal for applications that require temperature control

- With the 10-mm orbit, your samples are optimally kept in motion, especially in Erlenmeyer flasks

- The speed can be adjusted individually and steplessly from 30 to 500 rpm – for gentle mixing

- The timer function for up to 999 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds

The slow and uniform rotational movement of the Unimax models keeps the samples gently in motion.

For Incubator 1000

Accessories see page 36

Unimax 2010

For an increased sample throughput

- The large model with a useful area of 39 × 34 cm and 10 kg loading capacity for increased sample throughput

- For gentle mixing, the speed can be adjusted individually and steplessly from 20 to 400 rpm

- Optionally available with multi-tier design for an above-average sample throughput with low space requirement

Accessories see page 37

Model	P/N
Unimax 1010	543-12310-00
Unimax 2010	542-10020-00

Also available as all-inclusive Unimax package with Incubator 1000, see page 29.

Incubator 1000

The unique modular system combines everything in one: Mixing, shaking, temperature-control – completely without additional heating cabinet. Suitable for the platform shaker models of the 1000 series Duomax 1030, Polymax 1040, Titramax 1000, Unimax 1010 and Promax 1020.

Platform shaker

Selecting a compatible model of the 1000 series.

Heating module

The heating module gently heats the circulating air up to 65 °C. The integrated circulating fan ensures even heat distribution within the incubation hood.

Transparent hood

Stepless locking, without condensate formation (PETG). Three different sizes are available to choose from.

That's all it takes for a space-saving incubation system.

Incubator 1000 Module

Three options: A flat hood for microtiter plates, a high hood for standard vessels and a XL hood for Erlenmeyer flasks up to 2,000 ml.

Heating Module for Incubator 1000

With 300 W heating power for fastest heating times up to 65 °C. The electric circulating air heating with extremely quiet fan guarantees the lowest noise level.
The temperature accuracy is ±2 °C up to 50 °C or ±4 °C over 50 °C. Separate, digital display for continuous monitoring of set and actual values. With overheating protection to prevent thermal damage

P/N 549549-90010-00

Flat Hood

For small vessels and microtiter plates
The flat hood has a low height of 163 mm and is perfectly suited for microtiter plates, Petri dishes, culture bottles and Erlenmeyer flasks from 25 to 100 ml

P/N 549-90040-00

High Hood

For medium-sized vessels
The high hood has a height of 267 mm and is ideally suited for 500 ml Erlenmeyer flasks or tall vessels

P/N 549-90030-00

High Hood XL

For large vessels
The incubation hood XL has a height of 428 mm and is suitable for 2,000 ml Erlenmeyer flasks

P/N 549-90060-00

Packages

Hei-MIX Shakers and Mixers

Titramax
ALL-INCLUSIVE PACKAGE

- Titramax 1000
- Heating module Incubator 1000
- Flat incubation hood

P/N 544-12209-00

Unimax
ALL-INCLUSIVE PACKAGE

- Unimax 1010
- Heating module Incubator 1000
- High incubation hood

P/N 543-12319-00

Technical Specifications

Hei-MIX Shakers and Mixers

Model	Unimax 1010	Unimax 2010	Promax 1020	Promax 2020
Motion	orbital	orbital	reciprocating	reciprocating
Rotation speed	30–500 rpm	20–400 rpm	30–250 rpm	20–400 rpm
Rotation speed setting	digital	digital	digital	digital
Orbit/stroke	10 mm	20 mm	32 mm	20 mm
Operating mode	timer or continuous	timer or continuous	timer or continuous	timer or continuous
Timer	yes	yes	yes	yes
Power input	50 W	115 W	50 W	115 W
Weight	8 kg	16 kg	8 kg	16 kg
Dimensions w/d/h	320×375×125 mm	426×435×135 mm	320×375×125 mm	426×435×135 mm
Platform size w/d	290×258 mm	390×340 mm	290×258 mm	390×340 mm
Accessories included	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat
Load capacity	5 kg	10 kg	5 kg	10 kg
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient conditions	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity
Protection class DIN EN 60529	IP 40	IP 20	IP 40	IP 20

Model	Polymax 1040	Polymax 2040	Reax 2	Reax 20/4	Reax 20/8	Reax 20/12
Motion	wave	wave	overhead	overhead	overhead	overhead
Rotation speed	2–50 rpm	2–50 rpm	20–100 rpm	1–16 rpm*	1–16 rpm*	1–16 rpm*
Rotation speed setting	electronic control	digital	analog	electronic control	electronic control	electronic control
Orbit/stroke	5/10°	5/10°	–	–	–	–
Operating mode	timer or continuous	timer or continuous	–	–	–	–
Timer	yes	yes	–	–	–	–
Power input	115 W	115 W	27 W	280 W	280 W	280 W
Weight	8 kg	16 kg	5.2 kg	23 kg	28 kg	33 kg
Dimensions w/d/h	320×375×195 mm	426×435×208 mm	510×180×235 mm	490×520×465 mm	770×520×465 mm	1050×520×465 mm
Platform size w/d	290×258 mm	390×340 mm	–	–	–	–
Accessories included	non-skid rubber mat	non-skid rubber mat	universal adapter	–	–	–
Load capacity	5 kg	10 kg	1 kg	30 kg	–	–
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	–	–
Permissible ambient conditions	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity
Protection class DIN EN 60529	IP 40	IP 20	IP 21	IP 21	IP 21	IP 21

Standard supply voltage: 230 V. Other supply voltages upon request.

* On request also with 2–32 rpm.

Erlenmeyer Attachment

For up to 22 Erlenmeyer flasks	25 ml	549-72000-00
For up to 14 Erlenmeyer flasks	50 ml	549-73000-00
For up to 9 Erlenmeyer flasks	100 ml	549-74000-00
For up to 5 Erlenmeyer flasks	250 ml	549-75000-00
For up to 4 Erlenmeyer flasks	500 ml	549-76000-00
For up to 2 Erlenmeyer flasks	1000 ml	549-77000-00
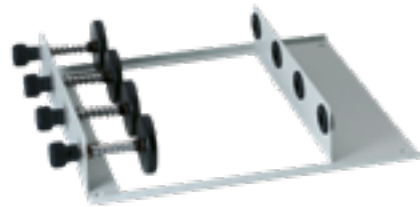
Separatory Funnel Attachment

Suitable for 4 conical separatory funnels, each 50 ml or 100 ml

P/N 549-78000-00

Frame with Tension Roller

Tension roller attachment with two tension rollers

P/N 549-70000-00

Spare Tension Roller

Additional tension roller, matching the tension roller attachment

P/N 549-71000-00

Tablar 1000

With universal perforation for use with clamps for Erlenmeyer flasks and separatory funnels

P/N 549-59200-00

Clamps for Tablar 1000

Size	Erlenmeyer flask	Max. equipment	P/N
1	25 ml	20	549-51000-00
2	50 ml	20	549-52000-00
3	100 ml	14	549-53000-00
4	250 ml	8	549-54000-00
5	500 ml	4	549-55000-00
6	1000 ml	4	549-56000-00
7	2000 ml	2	549-63000-00

Frame Tension Roller

For attaching the tension rollers to secure any kind of vessel (see design Promax 2020, page 24)

P/N 549-50000-00

Spare Tension Roller

Together with the base frame for securing any kind of vessel (order at least 2 pieces)

P/N 549-58000-00

Multi-tier Attachment

For multi-tier design incl. perforated platform 2000

P/N 549-62000-00

Perforated Platform 2000

For use with clamps for Erlenmeyer flasks and separatory funnels

P/N 549-59000-00

Clamps for Tablar 2000

Size	Erlenmeyer flask	Max. equipment	P/N
1	25 ml	36	549-51000-00
2	50 ml	36	549-52000-00
3	100 ml	23	549-53000-00
4	250 ml	12	549-54000-00
5	500 ml	9	549-55000-00
6	1000 ml	5	549-56000-00
7	2000 ml	3	549-63000-00

Separatory Funnel Clamp

250, 500, 1000 ml for Tablar 2000
max. 4 (250 ml), 3 (500 ml) or 3 (1000 ml) holding devices per tablar

P/N 549-57000-00

2000 ml for Tablar 2000
max. 2 holding devices per tablar

P/N 549-61000-00