

➤ Overhead Shakers

Complies with standards for the determination of elutriation with water



Reax 20

Overhead shakers for 4, 8 or even 12 bottles

- Set and continuously adjust the variable speed on the analog control knob from 1 to 16 rpm – ideal for waste water analysis
- Other rotation speeds available upon request, for example 0.5 to 8 rpm or 2 to 32 rpm
- Easy and fast attachments of bottles
- Other vessels with 160 - 290 mm height and max. 136 mm diameter can be used with attachments

Reax 20/4 (not shown)
P/N 541-20004-00
Accessories: Category G

Reax 20/8
P/N 541-20008-00
Accessories: Category G

Reax 20/12 (not shown)
P/N 541-20012-00
Accessories: Category G

Reax 2

- Quickly clamps in 2 vessels of any size and accepts load capacities up to 1 kg
- Speed continuously adjustable from 20 to 100 rpm
- Universal adaptor allows for the use of various vessels of 50 - 160 mm height
- In addition, an optional adaptor is available for the use of 20 test tubes at a time



P/N 541-21001-00
Accessories: Category F

Accessories



A
Test tube tray, large
For test tubes and flasks up to 50 ml
P/N 549-19000-00



A
Test tube holding device
Attachment to hold one test tube safely for continuous shaking
P/N 549-20000-00



A
Attachment for 10 test tubes
Foam attachment provides space for 10 test tubes for simultaneously mixing with just one shaker
P/N 549-01000-00



A
Test tube stand
For up to 6 Eppendorf vessels (1.5 ml)
P/N 549-04000-00



D
Frame with tension roller
Attachment with 2 tension rollers
P/N 549-70000-00



D
Spare tension roller
1 tension roller as accessory for attachment
P/N 549-70000-00
P/N 549-71000-00



E
Separatory funnel clamp (250 ml, 500 ml, 1000 ml)
For perforated platform 2000, space for max. 4 (250-ml), 3 (500-ml) or 3 (1000-ml) clamps
P/N 549-57000-00



E
Separatory funnel clamp (2000 ml)
For perforated platform 2000, space for max. 2 clamps
P/N 549-61000-00



B
Tension roller attachment
Attachment with 2 tension rollers
P/N 549-81000-00



B
Spare tension roller
1 tension roller for attachment
P/N 549-81000-00
P/N 11-008-007-08



B
Perforated platform 100
Universal perforated platform allows for individual arrangement of vessels
P/N 549-59100-00



C
Test tube attachment
For up to 49 test tubes with Ø 12 mm, length up to 80 mm
P/N 549-82000-00

For up to 36 test tubes with Ø 16 mm, length up to 80 mm
P/N 549-83000-00



E
Perforated platform 2000
Universal perforated platform allows for individual arrangement of vessels
P/N 549-59000-00



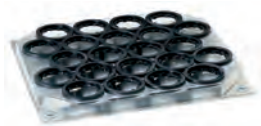
E
Frame tension roller
Frame without tension roller
P/N 549-50000-00



E
Tension roller
1 tension roller for the frame
P/N 549-50000-00, please order 2 pcs. min.
P/N 549-58000-00



E
Multi-tier attachment
Includes perforated platform 2000 and 4 supporting rods
P/N 549-62000-00



D
25-ml Erlenmeyer attachment
Attachment for up to 22 Erlenmeyer flasks with a size of 25 ml
P/N 549-72000-00



D
50-ml Erlenmeyer attachment
Attachment for up to 14 Erlenmeyer flasks with a size of 50 ml
P/N 549-73000-00



D
100-ml Erlenmeyer attachment
Attachment for up to 9 Erlenmeyer flasks with a size of 100 ml
P/N 549-74000-00



D
250-ml Erlenmeyer attachment
Attachment for up to 5 Erlenmeyer flasks with a size of 250 ml
P/N 549-75000-00



F
Adaptor for 20 test tubes
Allows for simultaneously mixing 20 test tubes Ø 10-18 mm with just one shaker
P/N 549-21000-00



G
Tension plate for caps
Allows for the use of common bottles with Ø 94 mm
P/N 11-001-001-81



G
Attachment for 1-l bottles (Set of 4)
Allows for the use of four 1-liter bottles
P/N 549-26000-00



G
Attachment for 0.5-l bottles (Set of 4)
Allows for the use of four 0.5-l bottles
P/N 549-27000-00



D
500-ml Erlenmeyer attachment
Attachment for up to 4 Erlenmeyer flasks with a size of 500 ml
P/N 549-76000-00



D
1000-ml Erlenmeyer attachment
Attachment for up to 2 Erlenmeyer flasks with a size of 1000 ml
P/N 549-77000-00



D
Perforated platform 1000
Universal perforated platform allows for individual arrangement of vessels
P/N 549-59200-00



D
Separatory funnel attachment
Attachment for 4 separatory funnels (50 ml, conical) or 4 separatory funnels (100 ml, conical)
P/N 549-78000-00

Included as a standard:



F
Universal adaptor
Allows for using common vessels and test tube racks; max. span height: 160 mm
P/N 549-30000-00



H
Carousel attachment
For up to 12 test tubes (Ø 16-32 mm, length 120 mm)
P/N 549-03000-00



H
Carousel attachment
For up to 26 test tubes (Ø 10-16 mm, length 160 mm)
P/N 549-01600-00

Accessories for:

- A** Reax top/control
- B** Vibramax 100, Rotamax 120
- C** Vibramax 110
- D** Unimax 1010, Duomax 1030, Polymax 1040, Promax 1020

- E** Unimax 2010, Promax 2020, Polymax 2040
- F** Reax 2
- G** Reax 20/4 · 20/8 · 20/12
- H** Multi Reax

Clamps for the perforated platform 100, 1000 and 2000

| | Size 1 For 25-ml Erlenmeyer flasks | Size 2 For 50-ml Erlenmeyer flasks | Size 3 For 100-ml Erlenmeyer flasks | Size 4 For 250-ml Erlenmeyer flasks | Size 5 For 500-ml Erlenmeyer flasks | Size 6 For 1000-ml Erlenmeyer flasks | Size 7 For 2000-ml Erlenmeyer flasks |
|--------------------------|---------------------------------------|---------------------------------------|--|--|--|---|---|
| P/N | 549-51000-00 | 549-52000-00 | 549-53000-00 | 549-54000-00 | 549-55000-00 | 549-56000-00 | 549-63000-00 |
| For platform 100 | max. 16 | max. 16 | max. 8 | max. 5 | max. 3 | max. 2 | - |
| For platform 1000 | max. 20 | max. 20 | max. 14 | max. 8 | max. 4 | max. 4 | max. 2 |
| For platform 2000 | max. 36 | max. 36 | max. 23 | max. 12 | max. 9 | max. 5 | max. 3 |

Technical Specifications - Shakers and Mixers

| Model | Reax top | Reax control | Multi Reax | Titramax 100 | Titramax 101 | Titramax 1000 | Vibramax 100 | Vibramax 110 | Rotamax 120 |
|--------------------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|
| Motion | vibrating | vibrating | vibrating | vibrating | vibrating | vibrating | vibrating | vibrating | orbital |
| Rotation speed (rpm) | 0 – 2,500 | 0 – 2,500 | 150 – 2,000 | 150 – 1,350 | 150 – 1,350 | 150 – 1,350 | 150 – 1,350 | 150 – 2,500 | 20 – 300 |
| Rotation speed setting | analog | electronic contr. | digital | electronic contr. | electronic contr. | electronic contr. | electronic contr. | electronic contr. | electronic contr. |
| Orbit (mm) | 5 | 5 | 3 | 1.5 | 3 | 1.5 | 3 | 1.5 | 20 |
| Angle (°) | – | – | – | – | – | – | – | – | – |
| Operating mode | automatic or continuous | automatic or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous |
| Input power (W) | 51 | 51 | 50 | 31 | 31 | 31 | 31 | 46 | 33 |
| Weight (kg) | 2.8 | 2.8 | 9.8 | 5.5 | 5.5 | 6.5 | 5.5 | 5.0 | 5.5 |
| Dimensions (w x h x d) (mm) | 134 x 105 x 172 | 34 x 105 x 172 | 270 x 172 x 410 | 245 x 125 x 310 | 245 x 125 x 310 | 320 x 125 x 375 | 245 x 125 x 310 | 245 x 146 x 310 | 245 x 125 x 310 |
| Platform size (mm) | – | – | – | 220 x 220 | 220 x 220 | 290 x 258 | 220 x 220 | 140 x 140 | 220 x 220 |
| Accessories included | – | – | 2 carousel attachments | space for 4 microtiter plates | space for 4 microtiter plates | space for 6 microtiter plates | non-skid rubber mat | non-skid rubber mat | non-skid rubber mat |
| Load capacity (kg) | – | – | 1.5 | 2 | 2 | 5 | 2 | 2 | 2 |
| Overheat protection | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting |
| Permissible ambient temperature (°C) | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity | 5-40 at 85 % rel. humidity |
| Protection class (DIN EN 60529) | IP 22 | IP 22 | IP 30 | IP 30 | IP 30 | IP 30 | IP 30 | IP 30 | IP 30 |

| Model | Unimax 1010 | Unimax 2010 | Promax 1020 | Promax 2020 | Duomax 1030 | Polymax 1040 | Polymax 2040 | Reax 2 | Reax 20/4 Reax 20/8 Reax 20/12 |
|--------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------------------|
| Motion | orbital | orbital | reciprocating | reciprocating | rocking | wave | wave | overhead | overhead |
| Rotation speed (rpm) | 30 – 500 | 20 – 400 | 30 – 250 | 20 – 400 | 2 – 50 | 2 – 50 | 2.5 – 50 | 20 – 100 | 1 – 16 |
| Rotation speed setting | digital | digital | digital | digital | electronic contr. | electronic contr. | digital | analog | electronic contr. |
| Orbit / Stroke (mm) | 10 | 20 | 32 | 20 | – | – | – | – | – |
| Angle (°) | – | – | – | – | 5/10 | 5/10 | 5/10 | – | – |
| Operating mode | timer or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous | timer or continuous | – | – |
| Input power (W) | 50 | 115 | 50 | 115 | 115 | 115 | 115 | 27 | 280 |
| Weight (kg) | 8.0 | 16 | 8.0 | 16 | 8.0 | 8.0 | 16 | 5.2 | 23, 28, 33 |
| Dimensions (w x h x d) (mm) | 320 x 125 x 375 | 426 x 135 x 435 | 320 x 125 x 375 | 426 x 135 x 435 | 320 x 185 x 375 | 320 x 195 x 375 | 426 x 208 x 435 | 510 x 180 x 235 | 490 x 465 x 520 |
| Platform size (mm) | 290 x 258 | 390 x 340 | 290 x 258 | 390 x 340 | 290 x 258 | 290 x 258 | 390 x 340 | – | 770 x 465 x 520 |
| Accessories included | non-skid rubber mat | non-skid rubber mat | non-skid rubber mat | non-skid rubber mat | non-skid rubber mat | non-skid rubber mat | non-skid rubber mat | universal adaptor | 1050 x 465 x 520 |
| Load capacity (kg) | 5 | 10 | 5 | 10 | 5 | 5 | 10 | 1 | 30 |
| Overheat protection | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting | self-resetting |
| Permissible ambient temperature (°C) | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity | 0-50 at 80 % rel. humidity |
| Protection class (DIN EN 60529) | IP 40 | IP 20 | IP 40 | IP 20 | IP 40 | IP 40 | IP 20 | IP 21 | IP 21 |

Standard supply voltage: 230 V - other voltages upon request, please specify for order

Certificate

To confirm the ability for
continuous operation
of the Test Tube and Platform Shakers

The Test Tube and Platform Shakers feature overtemperature safety circuits according to DIN EN 61010-1:2001 and DIN EN 61010-2-010:2003 and therefore are designed for continuous operation.

This statement is made under the precondition that all units are operated in accordance with the operation manual and in accordance with good practice standards for safety in laboratories, rules for accident preventions, and compliance with directions on hazardous materials.

Schwabach, January 2013

i. V. Jan Welzien
Technical Director

i. V. Stefan Richter
Quality Control Director



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.