



Stirrer Mixer Shaker

Stirrer

Magnetic Stirrer

The magnetic stirrers from Phoenix Instrument offer the right devices for all areas of daily laboratory routine. You have the choice between digital or analogue devices.

Both variants are available with or without heating function. Most of the stirrers with heating function have an integrated control function.

The comprehensive extensive range of accessories extends from the stand rod and temperature sensor to protective covers and reactor attachments.

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Magnetic Stirrer

RSM-ECO



- analog Magnetic stirrer
- stepless speed regulation from 300 to 2,000 rpm
- chemical resistant surface
- compact, sealed housing
- silent, vibration free use
- maintenance-free Motor
- includes holder for pH-electrodes

RSM-10A



- analog Magnetic stirrer
- compact construction
- sealed housing (IP42)

RSM-10B



- digital Magnetic stirrer
- compact construction
- sealed housing (IP42)

2 years warranty

Technical Data	RSM-10A	RSM-10B	RSM-ECO
Stirring volume (H ₂ O)	3 l		1.5 l
Speed	50 - 1,500 rpm	200 - 1,500 rpm	300 - 2,000 rpm
Plate dimension ø	135 mm		120 mm
Plate material	Plastic		
Motor	DC, brushless		
Display	analog	LED	analog
Max. stirring bar length	50 mm		40 mm
Voltage • Frequency	100 - 240 VAC • 50/60 Hz		
Power	10 W	15 W	7,2 W
Protection class acc. EN60529	IP 42		IP 21
Weight	1.5 kg		0.6 kg

Magnetic Stirrer / Magnetic Stirrer with heating function

RSM-01S



- Typical magnetic stirrer in a modern Design
- sturdy metal housing IP 42
- high stirring power and volume (20 Liter)

RSM-01HS • RSM-01HP

2 years warranty

- classic, analogue magnetic stirrer
- stirring plate in stainless steel or covered with porcelain
- sturdy design (metal housing, IP 42)
- high stirring volume (20 Liter)



RSM-02HSP • RSM-02HPP



- magnetic stirrer of the latest generation
- connector for PT-1000, integrated control function
- digital adjustment with backlit Display
- RS 232 to control the stirrer and to transfer data
- indicator for hot surface, even when stirrer is shut-off
- comprehensive range of accessories
- high stirring volume (20 Liter)

Technical Data	RSM-01S	RSM-01HS	RSM-01HP	RSM-02HSP	RSM-02HPP
Stirring volume (H ₂ O)	20 L				
Speed	50 - 1,500 rpm			100 - 1,500 rpm	
Temperature range	-	RT+5 to 340 °C			
Heating power	-	500 W			
Temperature accuracy	-	-	-	1 °C	
Plate dimension ø	135 mm				
Plate material	Stainless steel		Stainless steel with porcelain surface	Stainless steel	Stainless steel with porcelain surface
Motor	DC, brushless				
Display	analog			LCD	
Interface	-	-	-	RS-232	
Max. stirring bar length	80 mm				
Connector for temperatur sensor	-	-	-	yes	
Safety temperatur	-	420 °C			
Voltage • Frequency	200 - 240 VAC • 50/60 Hz				
Power	30 W	550 W			
Protection class acc. EN60529	IP 42				
Dimension	160 x 280 x 85 mm				
Weight	2.9 kg	3 kg	3.1 kg		3.2 kg

Magnetic Stirrer with heating function



RSM-04H

- analog Magnetic stirrer with integrated control function
- Temperature sensor PT-1000 included
- sturdy full metal housing
- backlit digital display or LED
- glass ceramic hotplate (180 x 180 mm)
- hot plate warning, even when the stirrer is shut-off

2 years warranty



RSM-06H

- up to 30 liter stirring volume, Powerful brushless DC motor
- large glass ceramic plate for excellent chemical resistant performance and efficient heat transfer
- LCD display for precise monitoring of speed and temperature
- connector for external temperature sensor PT-1000
- digital speed control of 100 - 1,500 rpm, max. heating plate temperature 500 °C
- hotplate warning even when the stirrer is off
- data connector: The SD card records the instrument's running data in real time
- timing function: the running time of the instrument can be set
- high stirring volume (30 Liter)

RSM-05H

- digital Magnetic stirrer with integrated control function
- temperature sensor PT-1000 included
- sturdy full metal housing with large glass ceramic hot plate (180 x 180 mm)
- hot plate warning, even when the stirrer is shut-off
- high stirring volume (20 Liter)



Technical Data	RSM-04H	RSM-05H	RSM-06H
Stirring volume (HzO)	10 L	20 L	30 L
Speed	100 - 1,500 rpm		
Temperate range	RT+5 to 550 °C		RT+5 to 500 °C
Heating power	1,000 W		1,500 W
Temp. Accuracy	5 °C	1 °C	
Plate dimension	184 x 184 mm		254 x 254 mm
Plate material	Glass ceramic		
Motor	DC, brushless		
Dispaly	LED	LCD	
Interface	-	RS-232	SD-Card
Max. stirring bar length	80 mm		
Connector for temperature sensor	yes		
Safety temperature	580 °C		540 °C
Voltage • Frequency	200 - 240 VAC • 50/60 Hz		
Power	1,050 W		1,700 W
Protection class acc. EN60529	IP 21		
Dimension	215 x 340 x 110 mm		330 x 425 x 140 mm
Weight	5.9 kg		7.2 kg

Magnetic Stirrer with heating function

RSM-10HS / RSM-10HP

- LED-Display for accurate regulation of speed and temperature
- digital controlled speed and temperature
- indicator for hot surface, even when stirrer is shut-off
- connector for PT-1000
- hotplate made of stainless steel or with porcelain surface
- compact construction, sealed housing (IP42)



2 years warranty

RSM-14HP

- LCD-Display for accurate regulation and digital control of speed and temperature
- indicator for hot surface, even when the stirrer is shut-off
- connector for PT-1000
- hotplate made of Aluminum
- integrated temperature control function
- compact construction, sealed housing (IP42)



Technical Data	RSM-10HS	RSM10HP	RSM-14HP
Stirring volume (H ₂ O)	3 L		5 L
Speed	200 - 1,500 rpm		
Temperate range	RT+5 to 280 °C		RT+5 to 340 °C
Heating power	500 W		
Temp. accuracy	2 °C		1 °C
Plate dimension	135 mm ø		140 x 140 mm
Plate material	Stainless steel	Stainless steel with porcelain surface	Aluminium with porcelain surface
Motor	DC, brushless		
Display	LED		
Interface	-	-	-
Max. stirring bar length	50 mm		
Connector for temperature sensor	yes		
Safety temperature	320 °C		420 °C
Voltage • Frequency	100 - 240 VAC • 50/60 Hz		
Power	515 W		510 W
Protection class acc. EN60529	IP 21		
Dimension	155 x 215 x 100 mm		180 x 320 x 108 mm
Weight	2.1 kg	2.2 kg	3.2 kg

Magnetic stirrer with heating mantle RSM-12-F 250 and RSM-12-B 250

The new, revolutionary stirrer RSM-12-F250 and RSM-12-B250 offer the perfect combination of a classic magnetic stirrer and a heating mantle for round-bottom flasks or beakers. The brand-new device is a very popular product for laboratories in scientific research, industry and mining, food processing, biochemistry, agriculture, petrochemical, pharmaceutical, and educational sector. It is used for heating and incubation of liquids at a certain temperature. It provides fast and uniform heating with highly precise temperature control and strong stirring power.

RSM-12-F 250 and RSM-12-B 250

- The smart magnetic stirrer can be flexibly set up with inter-changeable heating sleeves for 100 mL, 250 mL, 500 mL, 1,000 mL round-bottom flask, or flat bottom beakers.
- Even more flexible configurations: as a heating magnetic stirrer, or as a heating sleeve plus a magnetic stirrer.
- Maintenance-free, brushless DC motor.
- Heating sleeve made of high-quality Aluminum silicate fiber cotton with accurate temperature control, uniform heating and corrosion resistance.
- Strengthened magnetic fields with enhanced stirring power
- Sturdy metal housing.
- The "HOT" warning will flash if the work plate temperature is above 50 °C even when the hotplate is turned off.
- Two independent safety circuits for continuous monitoring of the equipment.

Technical data	RSM-12-F 250 and RSM-12-B 250
Temperature range	RT - 280 °C
Temperature accuracy	± 1 °C
Overhead protection	420 °C
External temp. sensor	PT-1000 (± 0,2 °C)
Speed range / Speed accuracy	200 – 1,500 / 20 rpm
Display	LCD
Voltage • Frequency	200-240 V • 50/60Hz
Heating power	240 Watt
Weight	3.7 kg
Ambient temperature	5-40 °C
Relative humidity	80 %
Safety class acc. DIN 60529	IP 21
Dimension (W x D x H)	295 x 160 x 160 mm

RSM-12-F 250



RSM-12-F 250 Stirrer with Heating mantle for 250 ml round-bottom flasks, PT-1000 and Stand
 RSM-12-B 250 Stirrer with Heating mantle for 250 ml flat-bottom beaker, PT-1000 and Stand

Accessories

RSM-F 100	Heating mantle for 100 mL round-bottom flask, in connection with stirrer RSM-12..., 210 W
RSM-F 250	Heating mantle for 250 mL round-bottom flask, in connection with stirrer RSM-12..., 240 W
RSM-F 500	Heating mantle for 500 mL round-bottom flask, in connection with stirrer RSM-12..., 380 W
RSM-F 1000	Heating mantle for 1,000 mL round-bottom flask, in connection with stirrer RSM-12..., 440 W
RSM-B 100	Heating mantle for 100 mL flat-bottom beaker, in connection with stirrer RSM-12..., 210 W
RSM-B 250	Heating mantle for 250 mL flat-bottom beaker, in connection with stirrer RSM-12..., 240 W
RSM-B 500	Heating mantle for 500 mL flat-bottom beaker, in connection with stirrer RSM-12..., 380 W
RSM-B 1000	Heating mantle for 1,000 mL flat-bottom beaker, in connection with stirrer RSM-12..., 440 W

RSM-E 400 FI Circuit breaker, 10mA - Protective contact 230 V, 16A

New Magnetic Stirrer RSM-25H and RSM-30H

We are excited to launch the newly developed magnetic stirrer RSM-25H and RSM-30H. They combine a high-quality and modern industrial design with new, outstanding features, which makes it an outstanding device for everyday laboratory work.

RSM-25H and RSM-30H

- Large corrosion-resistant glass-ceramic work plate on RSM-30H and ceramic coated on RSM-25H
- Sturdy full-metal housing
- Attractive and waterproofed design protects inside components
- High-temperature resistant strong magnetic magnet, suitable for viscous liquid stirring
- 3 heating modes for all different customer demands
- Safety locks to prevent accidental changes in operating conditions
- Indicator for hot surface, even when the stirrer is shut-off, Safety temperature can be set
- Two independent safety circuits, maintenance-free DC brushless motor
- maintenance-free, smooth running.
- Newly designed LCD display sets real-time values of speed, time and temperature in an intuitive and clear manner
- Timer function
- External temperature sensor PT-1000 can be connected
- Remote control function with PC connection (RS-232 interface)
- Wide range of accessories
- incl. Sensor and stand holder



Intuitive LCD-Display



RSM-25H

2 years warranty

New Magnetic Stirrer RSM-25H and RSM-30H

2 years warranty



RSM-30H



Stand holder with
Sensor PT-1000

Technical data	RSM-25H	RSM-30H
Stirring volume (H ₂ O)	20 L	20 L
Work plate dimension	Ø 135 mm	184 x 184 mm
Work plate material	Aluminum with ceramic coating	Glass ceramic
Speed Range / Increment	50 - 1,500 rpm / 1 rpm	
Display	LCD	
Stirring Positions	1	
Max. magnetic bar length	80 mm	
Temperature Range / Increment	RT - 340 °C / 1 °C	RT - 550 °C / 1 °C
Temperature display accuracy	± 0.1 °C	
Time range	1 min - 99 h 59 min	
Motortype	Brushless DC-motor	
Power Supply	200-240V • 50-60Hz	
Power Consumption	650 W	1,200 W
Dimension (L x W x H)	270 x 175 x 105 mm	360 x 230 x 123 mm
Weight	2.2 kg	4.3 kg
Ambient conditions	5 - 40 °C, 80 % RH	
IP Protection class	IP 42	IP 21

Analog Multiposition Stirrer RSM-03-10K

RSM-03-10K

- analog 10-place Magnetic stirrer
- stepless speed control from 50 to 1100 rpm
- stainless steel plate with silicone films, anti-slip and anti-corrosion

RSM-03-10KH

- additional with heating



15-Place Stirrer RSM-03-15K

Newly developed 15-place magnetic stirrer is designed for series tests under reproducible conditions with stable performance, good reproducibility, high accuracy and easy operation.

RSM-03-15K

- 15 stirring positions are divided into 3 independent groups and each group can be controlled respectively at different speeds and time settings
- LCD displays show the current speeds and time
- Maintenance-free, brushless DC motor
- Aluminum laser engraving work plate surface, anti-abrasive, skid and corrosion proof
- Buzzer function - when the time countdown ends, the buzzer will remind the user by sound



2 years warranty

4 Place Magnetic Stirrer with heating function RSM-03-4KH 6-Place Stierer with Heating RSM-03-6KH

RSM-03-4KH

- digital 4-position magnetic stirrer with integrated controller function
- connection for external PT-1000
- each stirring point can be controlled separately
- temperature sensors and columns are included in delivery
- hotplate made of stainless steel with porcelain surface
- hotplate warning even when the stirrer is turned off
- maintenance-free, brushless DC Motor



2 years warranty

RSM-03-6KH

- Each stirring point can be controlled separately
- LCD displays show the current temperatures or speeds
- PID controller ensures precise and even heating process
- Maintenance-free, brushless DC motor
- external temperature sensor (PT1000) with an accuracy of 1 °C
- Stainless steel worktop with ceramic coating provides good chemical resistant performance
- Stands and temperature probe are included in the delivery
- Compatible with various heating block or reaction vessels
- Two independent safety circuits are monitoring the instrument



Technical data	RSM-03-4KH	RSM-03-6KH	RSM-03-10K	RSM-03-10KH	RSM-03-15K
Stirring points	4	6	10		15
Stirring volume H ₂ O	4 x 10 L	6 x 3 L	10 x 0.4 L		15 x 0.4 L
Speed	200 - 1,500 rpm		50 - 1,100 rpm		100 - 1,500 rpm
Temperature range	RT+5 - 340 °C	RT+5 - 280 °C	-	RT+5 - 120 °C	-
Heating power	4 x 500 W	6 x 600 W	-	470 W	-
Temp. accuracy	1 °C		-	-	-
Plate dimension	4 x 135 mm	6 x 134 mm	180 x 450 mm		304 x 460 mm
Plate material	Stainless steel with porcelain surface		Stainless steel with silicone film		Aluminum
Motor	DC, bürstenlos				
Display	digital	LCD	analog		LCD
Max. stirring bar	40 mm				
Connector for temp sensor	yes		no		-
Safety temperature	420 °C		-	140 °C	-
Voltage • Frequency	200 - 240 VAC • 50/60 Hz				100-240 VAC • 50/60 Hz
Power	4 x 515 W	6 x 605 W	490 W	20 W	40 W
Protection class EN60529	IP 20	IP 21	IP 41		IP 21
Dimension (W x D x H)	700 x 270 x 130 mm	564 x 523 x 127 mm	185 x 620 x 65 mm		307 x 615 x 90 mm
Weight	11.9 kg	12.7 kg	5.9 kg	6.1 kg	9.2 kg

Water/Oil Bath with Magnetic Stirrer

The new, revolutionary digital water and oil bath RS-WB-3 / RS-WB-5 with integrated magnetic stirrer ensures homogeneous heat distribution in the bath and in the flask containing the sample to be heated.

The insulated bath made of borosilicate glass with a stainless-steel base has two viewing windows for better observation of the reactions.

An external PT-1000 ensures precise temperature control. During operation, the water bath permanently displays the current status via LED lighting.

RS-WB-3 / RS-WB-5

2 years warranty



- Water and oil bath with integrated magnetic stirrer
- Borosilicate glass stirring vessel with stainless steel base
- LCD display for speed, time, and temperature
- Simultaneous stirring of the bath medium and the liquid in the flask
- Uniform heating of the water or oil and the sample
- Stirring function continues after heating stops to prevent overheating
- HOT warning at temperatures > 50 °C, even when the device is switched off
- Timer function - after expiry, the stirring function remains active to prevent overheating
- One point calibration and integrated control function
- LED status display
- Maintenance-free DC brushless motor
- Protective cover included
- Dry-run and overheating protection

Technical data	RS-WB-3	RS-WB-5
Max. stirring Volume	3 L	5 L
Temperature range	RT – 220 °C	
Accuracy	± 1 °C	
Overheating protection	350 °C	
Pan material	High Borosilicate glass + stainless steel base	
Speed range	100 – 1,500 rpm	
Speed accuracy	10 rpm	
Bath Size Ø	220 x 110 mm	240 x 140 mm
External temp. sensor	PT-1000 (± 0,2°C)	
Voltage • Frequency	200-240 V • 50/60Hz	
Heating power	850 Watt	1.300 Watt
Weight	6 kg	6,7 kg
Ambient temperature	5-40 °C	
Rel. humidity	80 %	
Safety class according to DIN 60529	IP 21	
Dimension (W x D x H)	283 x 343 x 210 mm	283 x 343 x 240 mm

Accessories Magnetic Stirrer

RSM-E 100	Carrier plate to be used for hotplate stainless steel (RSM-01/02HS)
RSM-E 110	Red quarter pie, 11-holes, Ø 15.2 mm, depth 19 mm, to be used with RSM-E 100/105
RSM-E 120	Purple quarter pie, 4-holes, Ø 28 mm, depth 24 mm, to be used with RSM-E 100/105
RSM-E 130	Blue quarter pie, 4-holes, Ø 28 mm, depth 30 mm, to be used with RSM-E 100/105
RSM-E 140	Black quarter pie, 4-holes, Ø 28 mm, depth 42.8 mm, to be used with RSM-E 100/105
RSM-E 150	Green quarter pie, 8-holes, Ø 17.75 mm, depth 25.5 mm, to be used with RSM-E 100/105
RSM-E 160	Golden quarter pie, 4-holes, Ø 21.6 mm, depth 31.7 mm, to be used with RSM-E 100/105
RSM-E 165	Aluminum alloy bead bath block 500 ml, with 500 ml beads for RSM-02HSP
RSM-E 166	Aluminum alloy bead bath block 1,000 ml, with 1,000 ml beads for RSM-02HSP
RSM-E 167	Aluminum alloy beads 1 kg (500 ml)
RSM-E 170	Reaction block for round flasks 50 ml
RSM-E 172	Reaction block for round flasks 100 ml
RSM-E 174	Reaction block for round flasks 250 ml
RSM-E 176	Reaction block for round flasks 500 ml
RSM-E 178	Reaction block for round flasks 1,000 ml
RSM-E 200	Stirrer bar, 10 x 6 mm, 1 pc
RSM-E 205	Stirrer bar, 15 x 8 mm, 1 pc
RSM-E 210	Stirrer bar, 20 x 8 mm, 1 pc
RSM-E 215	Stirrer bar, 25 x 8 mm, 1 pc
RSM-E 220	Stirrer bar, 30 x 8 mm, 1 pc
RSM-E 225	Stirrer bar, 40 x 8 mm, 1 pc
RSM-E 230	Stirrer bar, 50 x 8 mm, 1 pc
RSM-E 235	Stirrer bar, 65 x 8 mm, 1 pc
RSM-E 240	Stirrer bar, 80 x 13 mm, 1 pc
RSM-E 310	Stirrer bar remover
RSM-E 320	Temperature sensor PT-1000
RSM-E 320G	Temperature sensor PT-1000, Glass coated
RSM-E 330	Stand holder for PT-1000 for RSM 01/02/04/05
RSM-E 335	Stand holder for PT-1000 for RSM-10
RSM-E 340	Protection cover for RSM01/02 without hotplate
RSM-E 350	Protection cover for RSM01/02 with hotplate
RSM-E 355	Protection cover for RSM10 with hotplate
RSM-E 360	Protection cover for RSM-25H
RSM-E 365	Protection cover for RSM-30H



Quarter pies
on carrier plate



Reaction block



Stand holder kit

Aluminum alloy
bead bath

Shaker

Shaker, Rotator, Disk Mixer, Roller, Stirrer

Whether gentle agitation, horizontal or orbital shaking or the intensive mixing of media, our shaker, roller, rotator and mixers offer the right device for all application and areas of daily laboratory routine.

Thanks to the extensive range of accessories, the instruments can be configured individually for every task.

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Digital Orbital Shaker RS-OS and RS-OS 6M

Newly developed compact shaker, designed for time-dependent and low speed-sensitive shaking applications such as ELISA washes, enzyme immunoassays, protein synthesis, hybridization staining/destaining gels, immune precipitation and Western blots, cell culture, pharmaceutical profiling, etc.

2 years warranty

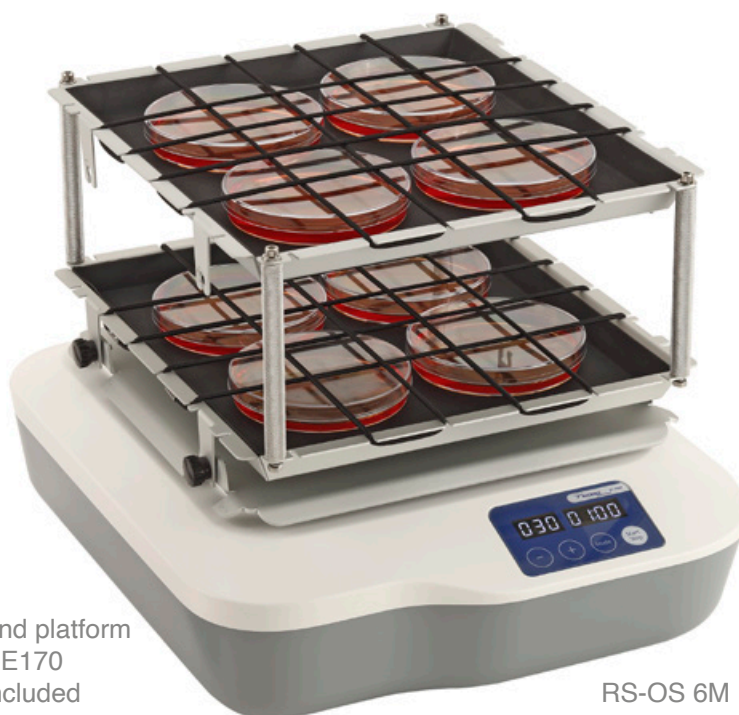


RS-OS 6

RS-OS 6 and RS-OS 6M

- Double LED's for separate display of speed and time
- Compact shaker with a max. capacity of 2 kg
- Continuous or timer operation mode.
- Including fix work plate (RS-OS6) or flexible work plate (RS-OS6M)
- Interchangeable attachments for various applications (RS-OS 6M only)
- Maintenance-free, brushless DC motor
- Easy operation

Technical Data	RS-OS 6	RS-OS 6M
Voltage	100 - 240 V	
Power	20 W	
Shaking Movement	Orbital	
Max. shaking weight	2 kg	
Speed	40 - 200 rpm	
Platform	fix	interchangeable
Timer	1 min - 19 h 59 min	
Adjustment Speed/Time	Digital	
Dimension	295 x 350 x 125 mm	
Platform size	268 x 268 mm	
Protection class	IP 21	
Weight	3.1 kg	



Second platform
RSS-E170
not included

RS-OS 6M

Digital Orbital and Linear Shaker RS-OS • RS-LS

RS-OS 10/20 • RS-LS 10/20

- compact shaker with a maximum capacity of 2.5/ 7.5 kg
- backlit display for easy adjustment of time and speed
- fix stand with anti-slipping feet
- adjustable safety speed
- RS 232-interface to control the shaker and to transfer data
- comprehensive range of accessories

2 years warranty



RS-OS-10/20

Technical Data	RS-OS 10	RS-OS 20	RS-LS 10	RS-LS 20
Shaking movement	orbital		linear	
Shaking diameter	4 mm	10 mm	4 mm	10 mm
Max. shaking weight	2.5 kg	7.5 kg	2.5 kg	7.5 kg
Speed	100 - 800 rpm	100 - 500 rpm	100 - 800 rpm	100 - 500 rpm
Timer-function	yes, 1 - 1.199 min			
Operation	Timer / Continuous			
Display Speed / Time	LCD / LCD			
Adjustment Speed / Time	digital			
RS-232	yes			
Dimension	340 x 300 x 100 mm	420 x 370 x 100 mm	340 x 300 x 100 mm	420 x 370 x 100 mm
Dimension Plattform	240 x 240 mm	320 x 320 mm	240 x 240 mm	320 x 320 mm
Protection class	IP 21			
Voltage • Frequency	100 - 240 VAC • 50/60 Hz			
Weight	7.9 kg	13.4 kg	7.9 kg	13.4 kg

Digital Sea-Saw Shaker RS-RR 10 and 3D-Shaker RS-RD 10

RS-RR 10 • RS-RD 10

- gentle sample mixing
- sturdy construction
- backlit display
- simultaneous display of speed and time
- fix stand with anti-slipping feet
- attachment included
- comprehensive range of accessories
- RSS-E 220 included



2 years warranty

Technical Data	RS-RR 10	RS-RD 10
Shaking movement	Sea-saw	3D orbital
Shaking angel	$\pm 9^\circ$	
Max. speed	10 - 70 rpm	
Dispaly	LCD	
Timer-function	yes, 1 - 1.199 min	
Operation	Timer / Continuous	
Max. shaking weigt	10 kg	5 kg
Dimension	420 x 370 x 106 mm	420 x 370 x 200 mm
Dimension Platform	320 x 320 mm	
Ambient temperature	5 - 40 °C	
Protection class	IP 21	
Voltage • Frequency	100 - 240 VAC • 50/60 Hz	
Weight	13.9 kg	15.1 kg

Rocking Shaker RS-RS 6 and 3D-Shaker RS-DS 6

Newly developed compact shaker, designed for time-dependent and low speed-sensitive shaking applications such as ELISA washes, enzyme immunoassays, protein synthesis, hybridization staining/destaining gels, immune precipitation and Western blots, cell culture, pharmaceutical profiling, etc.



2 years warranty

RS-RS 6 and RS-DS 6

- Double LED's for separate display of speed and time
- compact shaker with a max. capacity of 2 kg
- Continuous or timer operation mode
- Fixed work plate
- Maintenance-free, brushless DC motor
- Easy operation

Technical Data	RS-RS 6	RS-DS 6
Voltage	100 - 240 V	
Power	20 W	
Shaking movement	Sea-Saw	3D-Motion
Shaking Angle	7 °	10 °
Max. shaking weight	2 kg	
Speed	10 - 80 rpm	
Timer	1 min - 19 h 59 min	
Adjustment Speed / Time	Digital	
Dimension	295 x 350 x 125 mm	295 x 350 x 170 mm
Platform size	268 x 268 mm	
Protection class	IP 21	
Weight	3.1 kg	3.7 kg



RS-RS 6

Shaker Accessories

- RSS-E 100 Universal attachment with clamping rolls OS/LS 6, 10, RS-RS 5 and RS-DS 5
 RSS-E 105 Base plate for OS/LS 6, 10, RS-RS 5, RS-DS 5 to be used with Erlenmeyer fixing clips
 RSS-E 110 Universal attachment with vertical adjustable clamping rolls OS/LS 10
 RSS-E 115 Dish attachment for OS/LS 6, 10, RS-RS 5 and RS-DS 5, incl. fixing belts
 RSS-E 160 Dish attachment for OS/LS 6, 10, RS-RS 5 and RS-DS 5, 20 x 30 cm, incl. fixing belts
 RSS-E 165 Dish attachment for OS/LS 6, 10, RS-RS 5 and RS-DS 5, 28 x 28 cm, incl. fixing belts
 RSS-E 168 Connector to use 2 disk modules/ 4pcs
 RSS-E 170 2nd platform extension for RS-OS 6M with disk module plus 4 connectors
- RSS-E 180 Silicone mat for dish attachment RSS-E 115 for 10 x 5-10 mL tubes
 RSS-E 181 Silicone mat for dish attachment RSS-E 115 for 4 x 50 mL tubes
 RSS-E 182 Silicone mat for dish attachment RSS-E 220 for 16 x 5-15 mL tubes
 RSS-E 183 Silicone mat for dish attachment RSS-E 220 for 6 x 50 mL tubes
 RSS-E 190 Sticky Pad for RS-OS 6, RS-OS 6M, RS-RS 6, RS-RD 6, RS-OS 10, 23,8 x 23,8 cm, 0 - 220 rpm
 RSS-E 195 Sticky Pad for RS-RR 10, RS-RD 10, RS-OS 20, RS-LS 20, 28,4 x 29,6 cm, 0 - 220 rpm
- RSS-E 200 Universal attachment with clamping rolls OS/LS 20
 RSS-E 205 Base plate for OS/LS 20 to be used with Erlenmeyer fixing clips
 RSS-E 210 Universal attachment with vertical adjustable Clamping rolls for OS/LS 20, RS-RR 10 and RS-RD 10
 RSS-E 220 Dish attachment with fixing belts for OS/LS 20, RS-RR 10 and RS-RD 10
- RSS-E 120 Fixing clip for Erlenmeyer flask 25 mL volume
 RSS-E 125 Fixing clip for Erlenmeyer flask 50 mL volume
 RSS-E 130 Fixing clip for Erlenmeyer flask 100 mL volume
 RSS-E 135 Fixing clip for Erlenmeyer flask 200/250 mL volume
 RSS-E 140 Fixing clip for Erlenmeyer flask 500 mL volume
 RSS-E 141 Fixing clip for Erlenmeyer flask 1,000 mL volume
- RSS-E 145 Clamping rolls for RSS-E 100
 RSS-E 245 Clamping rolls for RSS-E 200



RSS-E 100/200

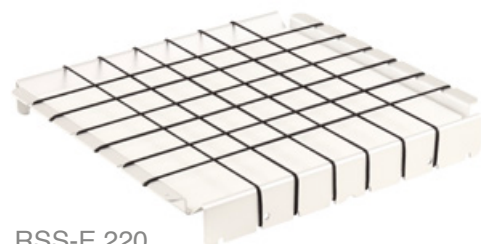


RSS-E 120

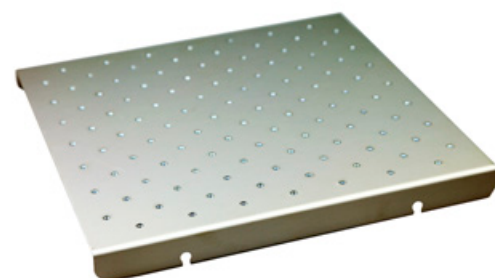
RSS-E 125

RSS-E 130

Fixing Clips for Erlenmeyer Flasks



RSS-E 220



RSS-E 105/205

Maximum load for RSS-E 105/205 with fixing clips for Erlenmeyer Flasks

Fixing clips	25 mL	50 mL	100 mL	250 mL	500 mL
RSS-E 105	18	18	9 (12)*	6 (8)*	4 (5)*
RSS-E 205	28	28	16	9 (12)*	9

* Erlenmeyer Flasks overlapping

Incubation Shaker IS-OS 20 • IS-OS 25

2 years warranty



IS-OS 20

- forced recirculation
- spring-loaded shelf included
- adjustable safety temperature
- cover made of 8 mm acrylic glass
- extensive range of accessories



Technical Data	IS-OS 20		IS-OS 25	IS-OS 30
Temperature range / resolution	RT +5 to 60 °C / 0.1 °C			4 to 60 °C / 0.1 °C
Temperature homogeneity at 37°C	± 0.5 °C			
Temperature variation at 37°C	± 0.1 °C			
Timer	99:59 min / continuous operation			
Shaking speed	40 ... 300 rpm			
Amplitude of platform movement	20 mm			
Capacity (Erlenmeyer Flasks)	7 x 500 ml 4 x 1,000 ml		12 x 500 ml	
Dimension platform	320 x 320 mm		450 x 450 mm	
Power	500 W		1,000 W	1,300 W
Dimension	500 x 610 x 470 mm		610 x 950 x 540 mm	
Material of hood / thickness	Plexiglas / 8 mm			
Weight	40 kg		55 kg	90 kg
Adjustable safety temperature	yes			
Recognition open hood	yes			
Voltage • Frequency	230 VAC • 50/60 Hz			

Incubation Shaker IS-OS 30



2 years warranty

IS-OS 30

- forced recirculation
- spring-loaded shelf included
- adjustable safety temperature
- cover made of 8 mm acrylic glass
- extensive range of accessories



Max. load for the spring-loaded shelf

	IS-OS 20	IS-OS 25/30
Erlenmeyer flasks 250 ml	9	12
50 ml Flacon-tubes	25	37

Max. load of base plate

	IS-OS 20	IS-OS 25/30
Erlenmeyer flasks 50 ml	28	49
Erlenmeyer flasks 100 ml	23	36
Erlenmeyer flasks 250 ml	13	18
Erlenmeyer flasks 500 ml	8	16
Erlenmeyer flasks 1,000 ml	4	9
Erlenmeyer flasks 2,000 ml	1	4

Incubation Shaker Accessories

- | | |
|-----------|--|
| ISS-E 200 | attachment with 4 clamping rolls for IS-OS 20 |
| ISS-E 205 | base plate to be used with fixing clips for IS-OS 20 |
| ISS-E 220 | dish attachment with non-slip mat for IS-OS 20 |
| ISS-E 300 | attachment with 4 clamping rolls for IS-OS 30 |
| ISS-E 305 | base plate to be used with fixing clips for IS-OS 30 |
| ISS-E 320 | dish attachment with non-slip mat for IS-OS 30 |
| ISS-E 130 | fixing clip for Erlenmeyer flask 100 ml volume |
| ISS-E 135 | fixing clip for Erlenmeyer flask 200/250 ml volume |
| ISS-E 140 | fixing clip for Erlenmeyer flask 500 ml volume |
| ISS-E 145 | fixing clip for Erlenmeyer flask 1,000 ml volume |
| ISS-E 150 | fixing clip for Erlenmeyer flask 2,000 ml volume |

Rotator RS-RR 20 and Disk Mixer RS-RD 20

2 years warranty

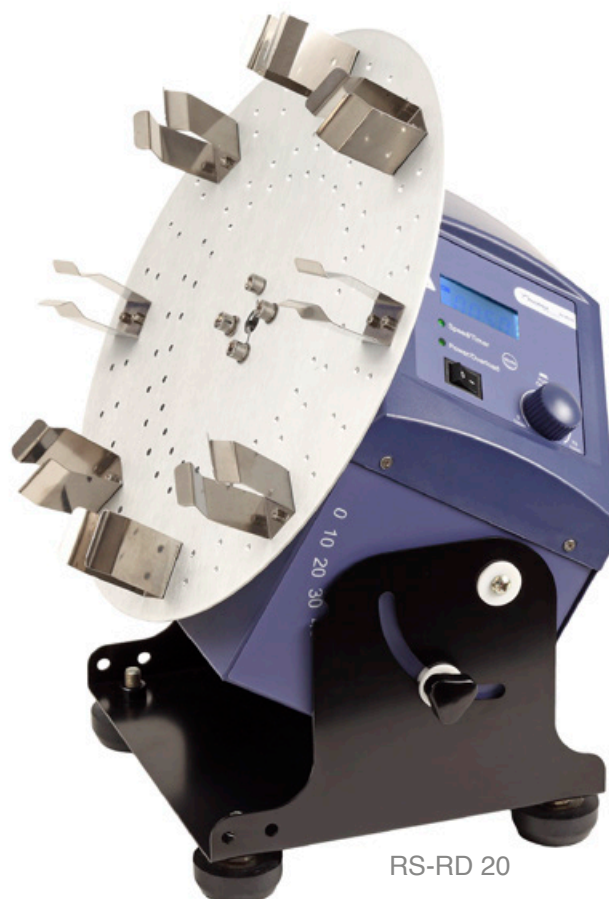


RS-RR 20

RS-RR 20 • RS RD 20

- instrument will be supplied incl. tube holder (RS-RR20) or disk mixer (RS-RD 20)
- dual-Use - rotator RS-RR 20 can also be used as disk mixer
- fix stand with anti-slipping feet
- backlit display to adjust speed and time
- comprehensive range of accessories

Technical Data	RS-RR 20	RS-RD 20
Movement	Rotation	Rotation Disk
Rotation angle	-	0 - 90 °
Speed	10 - 70 rpm	
Timer-function	yes	
Operation	Timer / Continuous	
Display Speed / Time	LCD / LCD	
Adjustment Speed / Time	digital / digital	
Dimension	510 x 190 x 260 mm	250 x 190 x 260 mm
Protection class	IP 21	
Power	40 W	
Voltage • Frequency	100 - 240 VAC • 50/60 Hz	
Weight	8.9 kg	5.8 kg



RS-RD 20

Analog Rotator and Disk Mixer RS-RR 5 • RS-RD 5

RS-RR 5 • RS-RD 5

- accessories for 1.5/2 ml, 15 ml and 50 ml tubes are included
- variable Speed
- compact construction
- adjustable feet
- easy to clean

2 years warranty



RS-RR 5



RS-RD 5

Maximum assembling RS-RR 5 and RS-RD 5

Fixing clips	1.5 / 2 ml	15 ml	50 ml
RS-RR 5	34	20	12
RS-RD 5	48	8	8

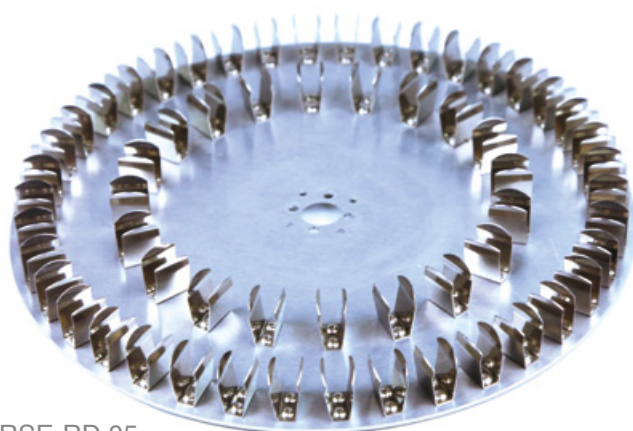
Technical Data	RS-RR 5	RS-RD 5
Movement	Rotation	Rotation Disk
Rotation angle	-	fix angle
Speed	5 - 80 rpm	
Timer-function	-	
Operation	continous	
Dispaly Speed / Time	Scala / Scala	
Adjustment Speed / Time	analog / analog	
Dimension	530 x 150 x 190 mm	2,200 x 300 x 310 mm
Protection class	IP 21	
Power	20 W	
Voltage • Frequency	100 - 240 VAC • 50/60 Hz	
Weight	2.9 kg	3.1 kg

Rotator and Disc Mixer Accessories

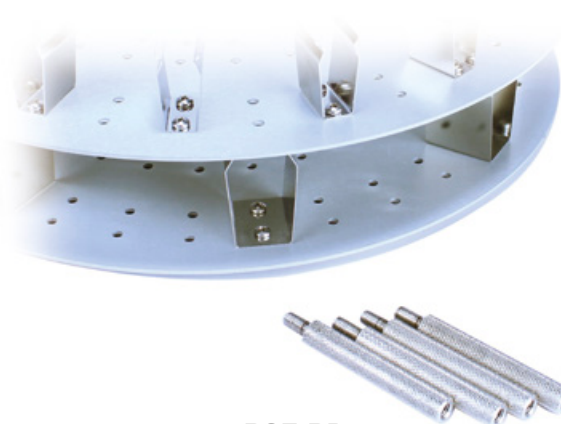
RSE-RR 05 Rotator module for RS-RR 20, 48 x 1.5 ml tubes, horizontal mixing
 RSE-RR 10 Rotator module for RS-RR 20, 24 x 15 ml tubes, horizontal mixing
 RSE-RR 15 Rotator modul for RS-RR 20, 24 x 50 ml tubes, horizontal mixing
 RSE-RR 25 Rotator modul for RS-RR 20, 32 x 1,5 ml tubes, vertical mixing
 RSE-RR 30 Rotator modul for RS-RR 20, 16 x 15 ml tubes, vertical mixing
 RSE-RR 35 Rotator modul for RS-RR 20, 16 x 50 ml tubes, vertical mixing

RSE-RD 05 Disk modul for RS-RD 20, 60 x 1.5 ml tubes
 RSE-RD 10 Disk modul for RS-RD 20, 16 x 15 ml tubes
 RSE-RD 15 Disk modul for RS-RD 20, 8 x 50 ml tubes
 RSE-RD 50 Adapter to use several disk modules

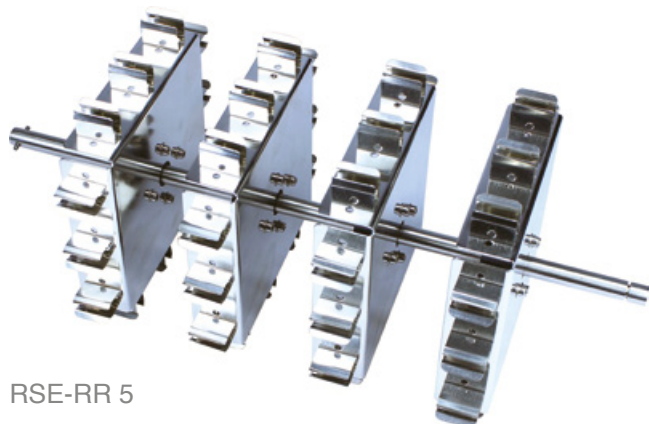
RSE-RD 20 12 x 1.5/2 ml holding clips for RS-RR 5 and RS-RD 5
 RSE-RD 22 12 x 15 ml holding clips for RS-RR 5 and RS-RD 5
 RSE-RD 24 12 x 50 ml holding clips for RS-RR 5 and RS-RD 5



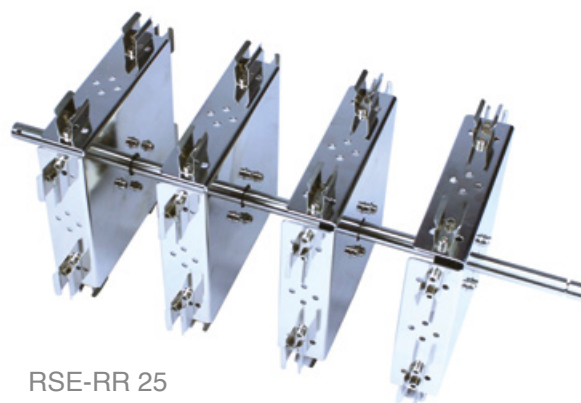
RSE-RD 05



RSE-RD 50



RSE-RR 5



RSE-RR 25

Tube Roller RS-TR 5 / RS-TR 10

Tube-Roller

RS-TR 5 / RS-TR 10

- gentle mixing
- easy to use
- easy cleaning
- timer function (RS-TR 10 only)
- LCD display (RS-TR 10 only)



RS-TR 5



2 years warranty

Technical Data	RS-TR 5	RS-TR 10
Movement	Rocking and rolling	
No. of rolls / Length	6 / 280 mm	
Amplitude	24 mm	
Speed	20 - 70 rpm	10 - 70 rpm
Motor	DC, brushless	
Timer-function	-	yes
Operation	continuous	Timer / continuous
Display Speed / Time	Scale	LCD / LCD
Adjustment Speed / Time	analog / -	digital / digital
Dimension	260 x 490 x 110 mm	
Protection class	IP 21	
Power	25 W	30 W
Voltage • Frequency	100 - 240 VAC • 50/60 Hz	
Weight	5.5 kg	5.6 kg



RS-TR 10

Vortexer RS-VF 10 • RS VA 10 and Micro Plate Mixer RS-MM 10



RS-MM 10

- compact Mixer suitable for 96er Micro titer plates
- adjustable speed
- various top frames available for RS-MM 10

2 years warranty



RS-VF 10 • RS-VA 10

- touch- or continuous
- variable speed 0 - 2,500 rpm (RS-VA 10)
- anti-slipping feet
- various top frames available for RS-VA 10
- sturdy cast housing

Technical Data	RS-VF 10	RS-VA 10	RS-MM 10
Shaking movement	orbital		
Amplitude	4 mm		4.5 mm
Speed	2,500 rpm	100 - 2,500 rpm	50 - 1,500 rpm
Speed adjustment	-	knob	knob
Max. load	-		0.5 kg
Dimension	127 x 160 x 130 mm		150 x 80 x 260 mm
Protection class acc. EN60529	IP 21		
Dimension	155 x 215 x 100 mm		180 x 320 x 108 mm
Weight	3.5 kg		
Voltage • Frequency	100 - 240 VAC • 50/60 Hz		

Vortexer and Microplate Mixer - Accessories

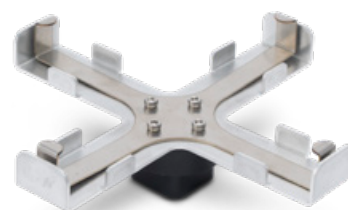
RSV-E 10	Universal top plate for tubes and vessels up to 30 mm Ø for Vortexer
RSV-E 12	Holding bar for RSV-E 20 – 40
RSV-E 15	100 mm plate with rubber mat for RSV-E 20-40, RSV-E 44
RSV-E 18	DNA -attachment 20 Tubes 10,5 mm Ø, Material PP
RSV-E 20	Adapter for 48 Tubes 6 mm Ø, to be used with RSV-E 15
RSV-E 21	Adapter for 56 Tubes 5 mm Ø, 7 x PCR-Strips, to be used with RSV-E 15
RSV-E 25	Adapter for 15 Tubes 10 mm Ø, to be used with RSV-E 15
RSV-E 26	Adapter for 12 Tubes Ø 9,8 mm (1.5/2 ml), 12 Tubes Ø 6.6 mm (0.5 ml), 12 Tubes Ø 5 mm (0.2 ml) to be used with RSV-E 15
RSV-E 30	Adapter for 12 Tubes 12 mm Ø, to be used with RSV-E 15
RSV-E 35	Adapter for 8 Tubes 16 mm Ø, to be used with RSV-E 15
RSV-E 40	Adapter for 8 Tubes 20 mm Ø, to be used with RSV-E 15
RSV-E 41	Adapter for 4 Tubes 28 mm Ø (50 ml), to be used with RSV-E 15
RSV-E 42	Tube-Adapter horizontal, 4 x 0.5 - 15 ml
RSV-E 43	Aufsatz für Erlenmeyerkolben 100 - 250 ml
RSV-E 44	Universal top plate for tubes and vessels up to 99 mm Ø for Vortexer
RSV-E 46	Rubber foot
RSV-E 50	Attachment for micro plate mixer to be used with RSV-E20-40, RSV-E44
RSV-E 55	Microtiterplate-attachment for one plate for RS-MM 10
RSV-E 57	Microtiterplate-attachment for two plates for RS-MM 10
RSV-E 60	Vortexer universal attachment for tubes and vessels up to 99 mm Ø incl. RSV-E 15
RSV-E 65	Vortexer attachment with Microtiterplate RSV-E55



RSV-E 15



RSV-E 20-40



RSV-E 42



RSV-E 43



RSV-E 44



RSV-E 65

New Digital Vortexer RS-VA 20 and RS-VA 30

We are proud to introduce our new digital infrared Vortexer RS-VA30, an outstanding combination of reliability and innovational strength for a wide range of applications in all types of laboratories.

The advanced design concepts results in a stylish and elegant appearance of the Vortexer. The digital interface provides real-time speed and time display, allowing users to easily set and monitor mixing parameters. Its stable operation ensures uniform sample mixing, making it ideal for a variety of application.

RS-VA 20

- Adjustable speed ranges from gentle to vigorous mixing to suit various needs
- LCD-screen displays real-time speed and time for easy adjustment and monitoring
- Stable with pressure-mounted accessories to prevent slippage and splashing
- Brushless DC motor for high stability and maintenance-free operation
- Sturdy base ensures stability during operation for safety

2 years warranty

RS-VA 30

- Compatible for a wide range of adapter for tubes and microplates
- Stable operation and sturdy construction
- Real time LCD display, Timer function
- Hands-free operation by IR-supported activation of the device
- Brushless motor, adjustable, wide speed range up to 3,000 rpm

Technical Data	RS-VA 20	RS-VA 30
Shaking Movement	orbital	
Amplitude	4 mm	4.5 mm
Speed	100 - 3,000 rpm	
Speed/Time adjustment	knob	
Display	LCD	
Operating Mode	IR, continous	Touch, continous
Time range	1 s - 99 min 59 s	
Dimension (LxWxH)	150 x 140 x 140 mm	205 x 165 x 90 mm
Protection class	IP 21	
Weight	3.4 kg	3.9 kg
Power Supply	100 - 240 V • 50/60 Hz	



Accessories Vortexer RS-VA 20 and RS-VA 30

- RSV-E 70 Universal attachment for tubes and vessels up to 30 mm Ø, for RS-VA30
 RSV-E 71 Universal attachment for tubes and vessels up to 30 mm Ø, for RS-VA20
 RSV-E 72 Universal attachment for tubes and vessels (Standard)



RSV-E 70



RSV-E 71



RSV-E 72

- RSV-E 74 Tube-Adapter horizontal, 4 x 0,5 - 15 ml
 RSV-E 75 Attachment for Erlenmeyer flasks 100 - 250 ml, max. 1500rpm
 RSV-E 76 Base plate for attachments RSV-E 77 - RSV-E 81



RSV-E 74



RSV-E 75



RSV-E 76

- RSV-E 77 25 Tubes Ø 4,5 mm (0,1 - 0,5 ml), to be used with RSV-E 76
 RSV-E 78 21 Tubes Ø 8 mm (1,5 - 2 ml), to be used with RSV-E 76
 RSV-E 79 16 Tubes Ø 10 mm (2 - 5 ml), not applicable for 5 ml conical tubes, to be used with RSV-E 76
 RSV-E 80 8 Tubes Ø 14 mm (10 - 15 ml), also applicable for 5 ml conical tubes, to be used with RSV-E 76
 RSV-E 81 4 Tubes Ø 25,5 mm (50 ml), to be used with RSV-E 76
 RSV-E 82 19 Tube Ø 9 mm (2 ml Cryovials), to be used with RSV-E 76



RSV-E 77



RSV-E 78



RSV-E 79



RSV-E 80



RSV-E 81



RSV-E 82

- RSV-E 83 8 Vials Ø 17 mm (5 ml Vials), to be used with RSV-E 76
 RSV-E 84 6 Vials Ø 20,5 mm (10 ml Vials), to be used with RSV-E 76
 RSV-E 85 4 Vials Ø 26,5 mm (20 ml Vials), to be used with RSV-E 76
 RSV-E 86 4 Vials Ø 26,5 mm (30 ml Vials), to be used with RSV-E 76V



RSV-E 83



RSV-E 84



RSV-E 85



RSV-E 86

Accessories Vortexer RS-VA 20 and RS-VA 30

RSV-E 89 Microtiter plate insert, compatible with full-skirt PCR plates, cell culture plates, deep-well plates, etc.



RSV-E 89



RSV-E 89

RSV-E 91 Horizontal mounting plate, rectangular with mounting clamps, 24 x 1.5 ml

RSV-E 92 Horizontal mounting plate, rectangular with mounting clamps, 8 x 15 ml

RSV-E 93 Horizontal mounting plate, rectangular with mounting clamps, 4 x 50 ml



RSV-E 91



RSV-E 92



RSV-E 93

RSV-E 94 Horizontal mounting plate, round, with mounting clamps, 24 x 1.5 ml

RSV-E 95 Horizontal mounting plate, round, with mounting clamps, 12 x 15 ml

RSV-E 96 Horizontal mounting plate, round, with mounting clamps, 6 x 50 ml



RSV-E 94



RSV-E 95



RSV-E 96

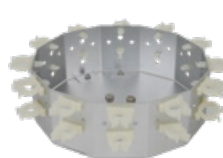
RSV-E 97 1,5 ml vertical Rack, 24 x 1.5 ml, incl. 24 holding clamps

RSV-E 98 15 ml vertical Rack, 12 x 15 ml, incl. 24 holding clamps

RSV-E 99 50 ml vertical Rack, 12 x 50 ml, incl. 24 holding clamps



RSV-E 97



RSV-E 98



RSV-E 99

RSV-E 100 24 x 1,5 ml holding clamps for RSV-E 91, RSV-E 94 and RSV-E 97

RSV-E 101 24 x 15 ml holding clamps for RSV-E 92, RSV-E 95 and RSV-E 98

RSV-E 102 24 x 50 ml holding clamps for RSV-E 93, RSV-E 96 and RSV-E 99

Overhead Stirrer RSO-20/40 (analog and digital)



RSO-20/40A

- digital speed readout
- stepless speed adjustment
- sturdy construction
- very quiet operation
- safety circuit

RSO-20/40D

- digital stirrer with LCD-display
- microprocessor-controlled speed accuracy
- smooth start procedure
- selectable display of speed/torque
- RS 232 Interface

2 years warranty



Technical Data	RSO-20A	RSO-40A	RSO-20D	RSO-40D
Max. stirring quantity (H ₂ O)	20 L	40 L	20 L	40 L
Speed	50 - 2,200 rpm, stepless			
Speed accuracy	-	-	±3	±3
Speed display	LED	LED	LCD	LCD
Max. viscosity	10,000 mPas	50,000 mPas	10,000 mPas	50,000 mPas
Max. torque	30 Ncm	60 Ncm	30 Ncm	60 Ncm
Ø Chuck range	0.5 - 10 mm			
Push trough shaft	yes			
Fastening on stand	Extension 16 mm			
Torque display	no		yes	
Dimension	82 x 220 x 186 mm			
Weight	2.5 kg	3.5 kg	2.5 kg	3.5 kg
Protection class	IP 42			
Motor rating input	70 W	130 W	70 W	130 W
Motor rating output	50 W	100 W	50 W	100 W
Voltage • Frequency	200 - 240 VAC • 50/60 Hz			

Digital Overhead Stirrer RSO-300D and RSO-500D

The newly developed Overhead Stirrer RSO-300D and RSO-500D feature an attractive design, enhanced performance and a competitive price, making them an excellent choice for various laboratory applications. The LCD screen displays real-time parameters such as speed, torque, time and temperature.

It is widely used in various fields such as chemical synthesis, materials science, food processing, petrochemicals, etc, and is the best choice for laboratories and research institutions. The new instruments includes a timer function and a connection for an external temperature sensor.

RSO-300D / RSO-500D

- Sturdy construction, quiet operation
- Timer function
- Connector for external Temperature sensor
- Safety lock to prevent accidental change of operation
- Constant speed, automatically adjusted
- Can be switched forward and reverse

2 years warranty



RSO-500D



RSO-300D

Technical Data	RSO-300D	RSO-500D
Max. stirring quantity (H ₂ O)	30 L	50 L
Speed	50 - 2,200 rpm	
Time setting range	0 - 99 h 59 min	
Max. torque	40 Ncm	60 Ncm
Max. viscosity	10,000 mPas	50,000 mPas
Display	LCD	
Motortype	Brushless DC-motor	
Rotation	forward, reverse	
Chuck clamp range diameter	0,5 - 10 mm	
Data interface	RS 485, Type C, USB	
Voltage • Frequency	100 - 240 VAC • 50/60 Hz	
Power	70 W	130 W
Ambient conditions	5 - 40 °C, 80 % RH	
Protection class	IP 42	

Overhead Stirrer - Accessories

RSO-E 07	Plate stand
RSO-E 08	Sturdy H-Stand
RSO-E 10	Propeller stirrer with 4 blades, stirrer diameter 50 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 11	Paddle stirrer, stirrer diameter 70 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 12	Propeller stirrer with a flexible blade, stirrer diameter 60 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 13	Centrifugal stirrer, stirrer diameter 90 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 20	Propeller stirrer PTFE-coated with 4 blades, stirrer diameter 65 mm, shaft diameter 6 mm, length 350 mm
RSO-E 21	Propeller stirrer PTFE-coated with 2 blades, stirrer diameter 70 mm, shaft diameter 6 mm, length 350 mm
RSO-E 22	Paddle stirrer PTFE-coated, stirrer diameter 70 mm, shaft diameter 6 mm, length 350 mm
RSO-E 23	Centrifugal stirrer PTFE-coated, stirrer diameter 90 mm, shaft diameter 6 mm, length 350 mm
RSO-E 30	Strap clamp for vessels up to 200 mm, incl. Boss head clamp
RSO-E 31	Cross Sleeve
RSO-E 32	Dissolver stirrer, stirrer diameter 100 mm, shaft diameter 8 mm, shaft length 600 mm
RSO-E 33	Anchor stirrer, stirrer diameter 60 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 34	Anchor stirrer large, stirrer diameter 100 mm, shaft diameter 8 mm, shaft length 600 mm
RSO-E 35	Spiral stirrer, stirrer diameter 50 mm, shaft diameter 8 mm, shaft length 400 mm
RSO-E 36	Paddle stirrer, large, stirrer diameter 100 mm, shaft diameter 8 mm, length diameter 600 mm



Thermoshaker RS-TS 5 and RS-TS10

RS-TS 5 / RS-TS 10

- quick change of blocks due to magnetic holder
- automatic block recognition
- 9 programs
- efficient mixing
- precise temperature control
- heating and cooling function (depending on model)
- Wide range of block
- easy calibration



2 years warranty

RS-TS 10

Technical Data	RS-TS 5	RS-TS 10
Functions	Heating & mixing	Heating, cooling & mixing
Temp. range	RT to 99.9 °C	15 °C below RT to 99.9 °C
Temperature accuracy	±0.5 °C	
Overheat protection	150 °C	
Timer	0 min - 99.5 h	
Max. Heating speed	5.5 °C / min	
Max. Cooling speed	5 °C / min (100 °C-RT)	
Max. Cooling speed	-	0.5 °C / min (below RT)
Speed range	200 - 1,500 rpm	
Mixing orbit	3-orbital	
Adjustment Speed / Time	digital	
Dimension	200 x 235 x 120 mm	
Weight	7.3 kg	
Voltage • Frequency	200 - 240 VAC • 50/60 Hz	

Thermoshaker - Accessories

		Hole (d x h)	Max. Speed	Lid
TSB-10	Heating block 24 x 0.5 ml	8.1 x 36 mm	1,500 rpm	yes
TSB-15	Heating block 24 x 1.5 ml conical	10.9 x 30.8 mm	1,500 rpm	yes
TSB-20	Heating block 24 x 2 ml	10.9 x 30.8 mm	1,500 rpm	yes
TSB-25	Heating block 8 x 5 ml	13.6 x 42 mm	1,500 rpm	no
TSB-30	Heating block 8 x 5 ml, conical	17 x 51.5 mm	1,400 rpm	yes
TSB-35	Heating block 8 x 15 ml	16.9 x 80 mm	800 rpm	no
TSB-40	Heating block 4 x 50 ml	29.6 x 80 mm	600 rpm	no
TSB-45	Heating block 96 well PCR Plates without frame		1,500 rpm	yes
TSB-50	Heating block 96/384 Mikrotiter plate		1,500 rpm	yes



TSB-10



TSB-25



TSB-40



TSB-15



TSB-30



TSB-45



TSB-20



TSB-35



TSB-50



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24SE26

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