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Shaker, Microtitre, Mini, SSM5

For use with microtitre plates and microcentrifuge tubes. The aluminium tray is fitted with a specially designed mat that securely holds in place up to four wellplates. High speed combined with a tiny orbit creates the vibrational shaking action required for mixing the very small volumes contained in the wells or in microcentrifuge tubes. Samples requiring mixing under controlled temperature/ humidity conditions, the footprint is ideal for placement inside an incubator including a CO₂ incubator. With BioCote® antimicrobial protection

Tube holders are available as optional accessories. They fit securely onto the platform turning the unit into an effective microtube mixer.

- High speed vibrational mixing action- ideal for microtitre plates
- Digital selection of mixing speed
- Built-in digital timer or continuous operation
- Optional tube holders available for mixing microcentrifuge tubes

S308-240



Catalogue No	S308-240
Platform dimensions (w x l), mm	220 x 220
Speed range, rpm	250 to 1200
Orbit diameter, mm	1.5
Maximum load, Kg	1
Operational temperature range, °C	+4 to +40
Maximum permissible humidity, %	80
Overall dimensions (w x d x h), mm	240 x 300 x 160
Net weight, Kg	5
Electrical supply	230V, 50Hz, 50W

Accessories

Catalogue No	Description
S308-246	Tube holder for 1.5 ml tubes
S308-248	Tube holder for 0.5 ml tubes
S308-250	Tube holder for 0.2 ml tubes

S308-310



Shaker, Orbital, Mini, SSM1

The SSM1's shaking action is ideal for samples of 0.5 to 5ml held in multi-well plates, dishes and petri dishes. The shaker can be used in incubators and environmental chambers (up to 40°C and 80% humidity). An accessory cradle system is available that can accommodate a variety of vessels including flask, bottles or beakers via four rubber securing bars. It will hold up to 4 x 250ml or 1 x 1000ml Erlenmeyer flasks or bottles. These larger vessels are held between rubber bars and can be used for different combinations of vessels. The speed is variable and once set on the digital display can be maintained over long periods of time. The built-in digital timer can be set to run for 1 to 999 minutes or continuous operation.

- Smooth orbital shaking action
- Orbit of 16mm is ideal for larger samples e.g. multi-well plates
- Built in digital timer
- Variable speed control to 300 rpm
- Supplied with non-slip mat for multi-well plates etc.
- Optional accessory cradle system for flasks and bottles

Accessories

Catalogue No	Description
S308-314	Accessory cradle with 4 polyurethane outer securing bars
S308-316	Large platform, holds up to 8 plates
S308-318	Clear acrylic lid

Catalogue No	S308-310
Platform dimensions (w x l), mm	220 x 220
Speed range, rpm	30 to 300
Orbit diameter, mm	16
Maximum load, Kg	3
Operational temperature range, °C	+4 to +40
Maximum permissible humidity, %	80
Overall dimensions (w x d x h), mm	240 x 300 x 140
Net weight, Kg	5
Electrical supply	230V, 50Hz, 50W

Shaker, Orbital, Lab Scale, SSL1

stuart

The SSL1 has an orbit of 16mm, a variable speed range of 30 - 300 rpm and the built-in digital timer to allow shaking times from 1 to 999 minutes or continuous operation. After the timer has counted down, the shaker stops and sounds an alert. It can be used in environmental chambers and CO₂ incubators. The cradle type platform has six rubber cushioned horizontal securing bars with quick release handles that can be adjusted both vertically and horizontally to hold most sizes and types of vessels e.g Erlenmeyer flasks and bottles - 12 x 250ml or 8 x 500ml or 6 x 1000ml or 2 x 2000ml.

The larger platform is available as an optional accessory (S308-356) and is designed to increase the capacity of the SSL1. The platform has six securing bars and will accommodate Erlenmeyer flasks or bottles - 30 x 250ml or 16 x 500ml or 9 x 1000ml or 4 x 2000ml.

Note: When SSL1/1 platform is fitted, the maximum permissible speed is 150 rpm.

- Orbital shaking action - ideal for aeration application
- Digital speed selection to 300rpm with soft start
- Built-in digital timer
- Reliable quiet drive mechanism
- Fully adjustable cradle system
- With BioCote® antimicrobial protection

Catalogue No	S308-352
Shaking action	Orbital
Platform dimensions (w x l), mm	355 x 355
Speed range, rpm	30 to 300
Orbit/amplitude, mm	16
Maximum load, Kg	10
Overall dimensions (w x d x h), mm	360 x 420 x 270
Operational temperature range, °C	+4 to +40
Maximum permissible humidity, %	80
Net weight, Kg	11
Electrical supply	230V, 50Hz, 50W

Accessories

Catalogue No	Accessory
S308-356	Accessory platform 510 x 510mm

Shaker, Reciprocating, Lab Scale, SSL2

stuart

Model SSL2 has construction and control identical to SSL1 as above, but with reciprocating shaking action with an amplitude of 20mm and speed range of 25 to 250 strokes/minute. It produces a rigorous side-to-side mixing action ideal for extractions etc. With BioCote® antimicrobial protection.

Catalogue No	S308-374
Shaking action	Reciprocating
Platform dimensions (w x l), mm	335 x 335
Speed range, rpm	25 to 250
Orbit / amplitude, mm	20
Maximum load, Kg	10
Operational temperature range, °C	+4 to +40
Maximum permissible humidity, %	80
Overall dimensions (w x d x h), mm	360 x 420 x 270
Net weight, Kg	11
Electrical supply	230V, 50Hz, 50W

S308-352



S308-374



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Shaker, Flask, SF1

S308-464



The SF1 can hold up to eight flasks or bottles up to 500ml capacity and is mounted on four rubber feet to absorb vibration and unnecessary movement. An analogue timer covers 10 to 60 minutes with a manual override. Electronic feed-back control ensures a constant speed irrespective of load. It is supplied with two side arms, eight clamps and an Allen key. An optional extension kit is available which consists of two extension arms and four extra clamps. This will increase the capacity to twelve flasks.

- Vigorous shaking action
- Timed operation or continuous running
- Robust construction
- Ideal for extractions

Catalogue No	S308-464
Speed range, oscillations/min	8 to 800
Amplitude, mm	1.5
Overall dimensions (w x d x h), mm	780 x 270 x 240
Maximum load, Kg	3
Net weight, Kg	8
Electrical supply	230V, 50Hz, 50W

Accessories

Catalogue No	Accessory
S308-468	2x accessory side-arms and 4 clamps

Rotator, Drive Unit, STR4

S308-532



The drive unit is used in conjunction with a range of drums designed to take different sizes and types of vessels. A built-in analogue timer can be set from 10 to 60 minutes, or the unit can be set for continuous operation.

- Highly versatile - accepts a choice of drums
- Built in timer
- Variable speed control 6 to 60rpm
- With BioCote® antimicrobial protection

Catalogue No	S308-532
Dimensions (w x d x h), mm	650 x 250 x 250
Net weight, Kg	6.4
Electrical Supply	230V, 50Hz, 50W

Drum, Two Platforms, STR4/2

S308-534

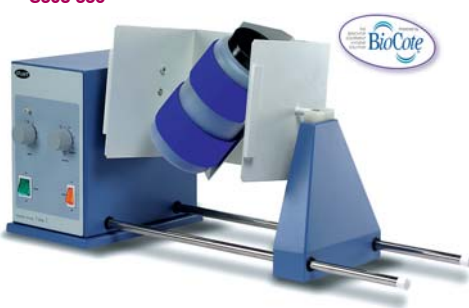


This drum accepts 2 x 250ml conical flasks or reagent bottles for end over end mixing. With BioCote® antimicrobial protection.

Catalogue No	Description
S308-534	Drum with two platforms to hold flasks or bottles

Drum, figure 8, Mixing Action, STR4/3

S308-536



Drum holds the vessel at a 45° angle so it is rolled and turned end over end at the same time giving a vigorous figure of 8 mixing action. The sample container is retained by a strong velcro strap. It will accept almost any container including reagent bottles, powder jars and paint tins up to 200mm in length and 1220mm diameter. With BioCote® antimicrobial protection.

Catalogue No	Description
S308-536	Drum with figure 8 mixing action

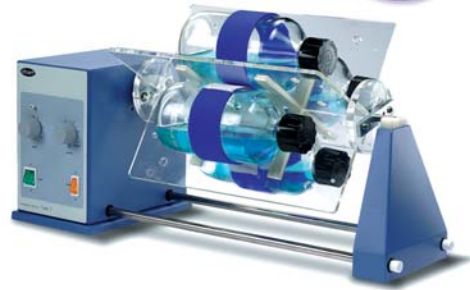
Drum, Bottle Holder, STR4/4

stuart

S308-538



Consists of a four segment Perspex® cradle. Each segment is fitted with a fully adjustable Velcro® strap to hold bottles and other containers up to 120mm diameter and up to 300mm in length.



Catalogue No	Description
S308-538	Drum with four segment cradles holding up to four bottles.

Sieves

International Standard Test sieves, ISO 3310/1. All 200mm wire mesh sieves have a stainless steel frame and mesh. The 200mm perforated plate sieves also have a stainless steel frame. The sieves have a depth of 50mm.

Catalogue No	Aperture Size	Catalogue No	Aperture Size	Catalogue No	Aperture Size
S340-020	20 µm	S340-224	224 µm	S341-200	2.00 mm
S340-025	25 µm	S340-250	250 µm	S341-224	2.24 mm
S340-032	32 µm	S340-280	280 µm	S341-236	2.36 mm
S340-036	36 µm	S340-300	300 µm	S341-250	2.50 mm
S340-038	38 µm	S340-315	315 µm	S341-280	2.80 mm
S340-040	40 µm	S340-355	355 µm	S341-315	3.15 mm
S340-045	45 µm	S340-400	400 µm	S341-335	3.35 mm
S340-050	50 µm	S340-425	425 µm	S341-355	3.55 mm
S340-053	53 µm	S340-450	450 µm	S341-400	4.00 mm
S340-056	56 µm	S340-500	500 µm	S341-450	4.50 mm
S340-063	63 µm	S340-560	560 µm	S341-475	4.75 mm
S340-071	71 µm	S340-600	600 µm	S341-500	5.00 mm
S340-075	75 µm	S340-630	630 µm	S341-560	5.60 mm
S340-080	80 µm	S340-710	710 µm	S341-630	6.30 mm
S340-090	90 µm	S340-800	800 µm	S341-670	6.70 mm
S340-100	100 µm	S340-850	850 µm	S341-710	7.10 mm
S340-106	106 µm	S340-900	900 µm	S341-800	8.00 mm
S340-112	112 µm	S341-100	1.00 mm	S341-900	9.00 mm
S340-125	125 µm	S341-112	1.12 mm	S341-950	9.50 mm
S340-140	140 µm	S341-118	1.18 mm	S342-100	10.00 mm
S340-150	150 µm	S341-125	1.25 mm	S342-112	11.20 mm
S340-160	160 µm	S341-140	1.40 mm	S342-125	12.50 mm
S340-180	180 µm	S341-160	1.60 mm	S342-132	13.20 mm
S340-200	200 µm	S341-170	1.70 mm	S342-140	14.00 mm
S340-212	212 µm	S341-180	1.80 mm	S342-160	16.00 mm



Accessories

Catalogue No	Description
S342-220	Lid
S342-224	Receiver
S342-228	Receiver/separator

Sieve Shaker, A060

This model is activated by an electric motor.

- Holds up to 8 sieves dia. 200 mm or 8" plus pan and lid

Catalogue No	S342-330
Model	A060, Sieve Shaker
Power supply	220-240V, 50Hz, 1ph, 110W
Dimensions, mm	320 x 380 x 800
Weight, Kg	20

S342-330



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Sieving, Spatulas

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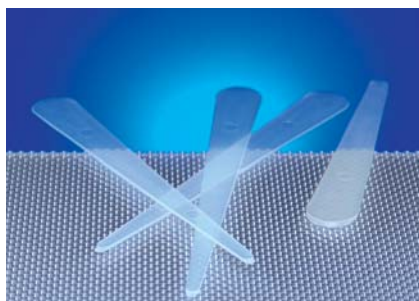


Sieve Shaker, A059-02

This model is activated by electromagnetic impulses and has a triple vibrating action (vertical, lateral and rotational). For use with sieves dia. 200, 250, 300 and 315mm, 8"-12". It is recommended for accurate sieving tests and also on fine materials.

- Holds up to 10 sieves
- Digital control panel
- Sieving time from 1-999 minutes
- Pause between one vibration and the following one

Catalogue No	S342-335
Model	A059-02 Electromagnetic sieve shaker
Power supply	220-240V, 50/60Hz, 1ph, 450/750W
Dimensions, mm	380 x 440 x 1080
Weight, Kg	65



Spatulas, Polypropylene

- Good chemical and heat resistance
- Autoclavable

Catalogue No	Length, mm	Pack qty.
S365-060	100	10
S365-062	152	10
S365-064	200	10
S365-066	252	10



Spatulas, Stainless Steel, Palette Knife

Parallel sided blade, with black polypropylene handle, autoclavable.

Catalogue No	Blade length, mm
S365-211	105
S365-213	150
S365-215	200
S365-217	250
S365-219	300



Spatula, Chattaway, Nickel

Catalogue No	Length, mm	Pack qty.
S365-232	100	5
S365-234	150	5
S365-236	200	5

Spatula, Micro Chattaway, Nickel

Catalogue No	Length, mm	Pack qty.
S365-265	100	5
S365-267	150	5
S365-269	200	5