

# Laboratory Orbital Shakers

## Orbital Shaking Incubator



Model 260



Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex vat R
260	Shaking Incubator 14 Litre <ul style="list-style-type: none"> <li>* • 8kg shaking platform.</li> <li>• Unit supplied complete with platform and 4 clamping bars with rubber mat insertion on platform.</li> <li>• Microprocessor based speed control with easy to use RPM setting and digital indication of speed.</li> <li>• Temperature control via PID electronic control with digital indication of process and setpoint temperature values.</li> <li>• 120 minute timer with infinity setting.</li> <li>• Chamber size 380mm x 455mm x 250mm</li> </ul>	230/50	575	571x 530 x 619	30	41 015.00

## Orbital Platform Shakers



Model 261



Model 262

Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex vat R
261	Platform Shaker 8kg Capacity	230/50	120	500 x 325 x 435	16	14 945.00
262	Platform Shaker 30kg Capacity <ul style="list-style-type: none"> <li>* • Microprocessor based speed control with easy to use RPM setting and digital indication of speed.</li> <li>• Unit supplied complete with platform and 4 clamping bars with rubber mat insertion on platform.</li> <li>• Platform size model 261 400 mm X 300 mm</li> <li>• Platform size model 262 600 mm X 480 mm.</li> <li>• 120 minute timer with infinity setting.</li> </ul>	230/50	120	700 x 431 x 610	34	18 421.25

\* Flask Clamps To Fit Platforms Available on Request : 50ml, 125ml, 250ml, 500ml, 1000ml, 2000ml Flasks.

## Low Temperature Shaking Incubator



Model 355

Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex vat R
353	Shaking Incubator 150 Litre <ul style="list-style-type: none"> <li>Temperature range ambient +10 °C to + 60°C.</li> </ul>	230/50	1035	780 x 998 x 815	85	43 440.00
355	Low Temperature Shaking Incubator 150 Litre <ul style="list-style-type: none"> <li>Supplied with 1 chrome plated steel wire shelf. Shaking platform 600 mm x 480 mm , complete with 4 clamping bars with rubber mat insertion on platform.</li> <li>Temperature range 0°C to + 60°C.</li> <li>Temperature control via PID electronic control with digital indication of process and setpoint temperature values.</li> <li>Microprocessor based speed control with easy to use RPM setting and digital indication of speed.</li> <li>Chamber size 600mm x 500mm x 500mm.</li> <li>120 minute timer with infinity setting.</li> </ul>	230/50	1035	780 x 998 x 815	85	52 061.25

## Low Temperature Incubator



Model 354

Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex vat R
354	Low Temperature Incubator 150 Litre <ul style="list-style-type: none"> <li>Supplied with 2 chrome plated steel wire shelves.</li> <li>Temperature range - 10°C to + 60°C.</li> <li>Chamber size 600mm x 500mm x 500mm.</li> </ul>	230/50	1035	780 x 961 x 810	78	28 220.00
358	Extra Wire Shelf.					398.75
359	Glass door for 354					1 375.00

\* Flask Clamps To Fit Platforms Available on Request : 50ml, 125ml, 250ml, 500ml, 1000ml, 2000ml Flasks.

Note: All performance specifications assume an ambient temperature of 20°C.

# PRICE LIST

## Magnetic Stirrers

Speed - 60 to 2000 RPM continuously variable. \*High grade 304 stainless steel top 140x140 standard or optional 180x180 . \*Continuously variable heat control by means of an energy regulator (STR-MH only). \*Powerful stirring magnet in a horseshoe configuration for optimal magnetic coupling. Supplied with a 40x8 stirrer bar.

<b>STR-MH</b>	Energy regulator control up to 420°C	<b>R 3006-25</b>
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<b>STR-MO</b>	No heating	<b>R 2487-50</b>
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<b>LARGE VOLUME - HI POWERED</b>	stirrers up to 200 liters	<b>POR</b>
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<b>Options</b> (factory fitted)		
	Stainless Top 180x180 with spillage lip	<b>R 481-25</b>
	High speed stirrers 2750 RPM ( <b>STR-MO/HS</b> )	<b>POR</b>



STR-MH



OPTION  
180 x 180 TOP

## Mini Hotplates

High grade 304 stainless top. \*Spillage lip on front (180 models only).  
 \*Continuously variable heat control by means of an energy regulator. \*  
 MHP180H Temperature control by means of a thermostat for more precise control

<b>MHP 140</b>	140x140 Energy control up to 420°C	<b>R 1587-50</b>
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<b>MHP 180</b>	180x180 Energy control up to 420°C plus Spillage lip	<b>R 1958-75</b>
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<b>MHP 180H</b>	180x180 Thermostatic control 40°C to 300°C plus Spillage lip.	<b>R 2330-00</b>
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Option :-	<b>Sand Bath</b> attachment	<b>R 512-50</b>
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MHP 140

## Hotplates - Heavy Duty

Heavy duty mild steel top (10mm).\* Asbestos free insulation \* Continuously variable heat control by means of an energy regulator. \* Maximum surface temperature 400°C

<b>HPR 300</b>	energy controller Top 300 x 300mm 1,5Kw	<b>R 1732-50</b>
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<b>HPR 450</b>	energy controller Top 450 x 300mm 2,0Kw	<b>R 2196-25</b>
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<b>HPR 600</b>	energy controller Top 600 x 450mm 3,0Kw	<b>R 3187-50</b>
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HPR 450

## **FLOC TESTER**

1. Powder coated grey electro-galvanised case.
2. Either six or four (depending on model purchased) retractable 8 mm diameter stainless steel paddles for removal of sample.
3. Electronic variable speed drive.
4. Illuminated base.
5. Available with optional digital speed indicator at an additional price.
6. Heavy duty 2 metre power lead with a 16 amp 3 pin plug.
7. Available as a 12vdc field unit.

## **STANDARD OVERHEAD STIRRERS**

1. Powder coated blue electro-galvanised case with all electronics and controls mounted in base.
2. 16 mm diameter electro-galvanised rod and bosshead.
3. Motor ac 220 v 60 watt. Output speed 100 to 3000 rpm +/-.
4. Double speed reduction belts to increase available torque.
5. 6 mm diameter stainless steel stirrer paddle; 500 mm long which is height adjustable with 50 mm diameter propeller blades.
6. Stirrer unit case can be unplugged from control box for easy transportation.
7. Heavy duty 2 metre power lead with a 16 amp 3 pin plug.

## **HEAVY DUTY OVERHEAD STIRRERS**

1. Unit supplied on stand with winding mechanism for lifting and lowering motor.
2. Variable speed electric motor 50 to 1000 rpm.
3. Supplied with a 8 mm diameter stainless steel stirring bar which is 300 mm long and has a mixing type paddle.
4. Speed control is by means of an industrial type inverter.
5. Available with optional digital speed indicator at an additional price.
6. Suitable for stirring medium viscosities with a capacity of 5L.
7. Heavy duty 2 metre power lead with a 16 amp 3 pin plug.

**FLOC TESTERS**

UNIT TYPE:	6 PLACE FLOC TESTER	4 PLACE FLOC TESTER	OPTIONAL DIGITAL SPEED INDICATOR
PRICE:	R 19,325	R 18,163	R 2,525

**STANDARD OVERHEAD STIRRER**

UNIT TYPE:	COMPLETE OVERHEAD STIRRER	SPARE LOOSE PADDLE	SPARE MOTOR	SPARE BELT
PRICE:	R 6,188	FROM R390	R 438	R 75

**HEAVY DUTY OVERHEAD STIRRER**

PRICE:

R 15,238

ADDITIONAL PRICE FOR OPTIONAL DIGITAL SPEED INDICATOR:

R 2,525

## **RECIPROCATING AND ORBITAL SHAKERS**

1. Robust structured blue powder coated steel construction.
2. Shaker top dimensions: 500mm x 400mm.
3. Variable speed of 20 to 200 r.p.m.
4. Unit supplied with universal top with either 4 clamping bars to accommodate flasks or flat top with spring clips for erlemeyer flasks, or alternatively, with a top to accept 3 x 250ml/500ml separating funnels.
5. Reciprocating motion to be 10mm either way.
6. Orbital motion to be 10 mm.
7. Unit can be supplied with an optional timer with bypass switch.
8. Custom made tops or multitier tops can be manufactured on request at an additional charge.

## **LABORATORY SIEVE SHAKER**

1. Robust structured white powder coated steel construction.
2. All movable parts robustly manufactured and on long lasting ball bearings.
3. 190 r.p.m. platform, v-belt driven from fixed speed motor with an orbital movement of 30 mm.
4. Complete with clamping bar to accommodate 6 x 200 mm test sieves.
5. Unit stands on anti vibration rubber feet.
6. Complete with counterweights for stable operation.
7. Unit supplied with an electronic timer and mains on isolating switch.

## SHAKERS

UNIT TYPE:	RECIPROCATING SHAKER	ORBITAL SHAKER	ADDITIONAL PRICE FOR OPTIONAL TIMER	ADDITIONAL PRICE FOR OPTIONAL DIGITAL SPEED INDICATOR
PRICE:	R 17,913	R 21,250	R 1,625	R 2,525