





# Introducing the Heathrow Scientific Equipment Family



### Did you know?

Heathrow Scientific has strict standards that include 3<sup>rd</sup> party plant reviews and 100% multi-level product inspections. These actions result in a 99.7% reliability on our equipment and 99.99% reliability on our laboratory supplies.

### Safety certified and approved

Meets international standards.





# MagFuge® The industry's first Hybrid High-speed Centrifuge and Magnetic Stirrer, in ONE unit



The high-speed Centrifuge (12,500 RPM) is designed to give you maximum speed and flexibility while being comfortable and easy to use.

- Ideal for most protocols requiring fast spins (12,500rpm / 9,783 x g), and appropriate for PCR, microfilter cell separation, and HPLC protocols
- Adjustable time (30 seconds to 60 minutes) and speed (500 to 12,500 RPM)
- Variable speed can be set in RPM or RCF and has rapid acceleration and fast controlled breaking
- Two rotors included, 12 place for 1.5/2.0 mL tubes and 6 place for 5 mL tubes with adapters for additional tube sizes
- Manual lid override allows users to open lid in case of a power failure and prevents loss of samples
- Safety features help ensure it will not operate when the lid is open, a rotor is jammed, or the unit is out of balance

The high-performance Magnetic Stirrer (3L Plus) is designed to provide a powerful magnetic coupling that ensures consistent accurate alignment of the stir bar that significantly reduce the chance of spin-outs.

- Ideal for work with sensitive samples such as cell lines and protocols requiring more aggressive mixing to quickly achieve full dilution of samples in solution
- Multiple stirring modes, clockwise, c. clockwise and oscillate enable protocols to be controlled precisely for reproducible results
- Adjustable time (30 seconds to 60 minutes or continuous) and speed (50 to 2,500 RPM)
- After hours of continuous use, the unit remains cool ensuring sample integrity
- Sensor technology prevents the stirrer rotor from being used above 2,500 RPM helping to protect users and prevent unit damage
- A silicone mat is included to help prevent spills and to help keep vessels stable
- High-quality rare-earth magnets are used in the stirrer rotor to ensure the strongest magnetic coupling
- Two rare-earth stir bars (40 x 12 mm) included have PTFE coating for chemical resistance

## MagFuge®

Item No.	Color	L x W x H		UOM
		in	cm	
120581	Gray/Purple	9.2 x 7.3 x 4.7	23.5 x 18.5 x 12	1/ea, 2ea/cs
120582	Gray/Blue			

### Package Includes

MagFuge®	Stirrer Rotor	12 Tube Adapters 0.2 mL
5 mL Tube Rotor	2 Stir Bars	12 Tube Adapters 0.5 mL
1.5 mL Tube Rotor	2 Silicone Mats for Stirrer Lid	

1 low voltage, double insulated power adapter with 4 interchangeable plugs



### Specifications: MagFuge® Centrifuge

<b>Speed Range</b>	500 – 999 rpm (increments of 1); 1,000 – 5,000 rpm (increments of 5); 5,000 – 12,500 rpm (increments of 25)
<b>RCF</b>	16 – 9,783 x g (max RCF calculated)
<b>Run Time Ranges</b>	30 seconds – 60 minutes (5 second increments)

### Specifications: MagFuge® Magnetic Stirrer

<b>Speed Range</b>	50 – 999 rpm (increments of 1); 1,000 – 2,500 rpm (increments of 5)
<b>Run Time Ranges</b>	Stirrer Mode 30 seconds to 60 minutes or continuous (5 second increments)
	Oscillating Stirrer Mode 1 second – 60 minutes or continuous
<b>Oscillating Period</b>	30 seconds – 15 minutes
<b>Capacity</b>	3 liters plus. Diameter of vessel not to exceed 130 mm (6.70")

### Patent Information

Community Design No. 003515337-0001-0002  
 Euro. Pat. App. 3 246 088  
 US Design Patent No. D814,045  
 US Patent No. 10471439



**5**  
Year  
Warranty



**Back-lit Display**  
showing time, speed and operational information on the same screen

**Adjustable**  
time and speed

**Quick-spin Button**  
for momentary spin requirements, press and hold to operate, release to end spin cycle



**Tool Free**  
rotor exchange

## Gusto® High Speed Centrifuge

- Durable ABS body and polycarbonate lid
- Compact footprint and brush-less motor for quiet operation and low vibration
- Select the digital speed display for RCF or RPM
- Sample imbalance and tilt safety shut-off
- Safety interlock lid prevents opening while rotor is turning
- UV-Resistant plastic, increased useful life under harsh light conditions
- Powered by 12V DC
- Push button lid release
- Manual override allows user to open lid in case of power failure
- Long-life maintenance free motor
- Easy to clean design

### Gusto®

Item No.	Color	L x W x H in	cm	UOM
HS10050	Blue	8 x 6.7 x 4.5	20.3 x 17.1 x 11.4	1/ea, 4ea/cs

### Specifications

**Speed Range** 500–12,500 rpm

**RCF** 15–9,800 x g

**Run Time Ranges** 1 – 30 minutes

### Package Includes

Gusto® High-Speed Mini-Centrifuge

12 place 1.5/2.0 mL tube rotor 12 tube adapters 0.2 mL

32 place 0.2 mL tube rotor (singles, or 4 x 8 Strip) 12 tube adapters 0.5 mL

1 low voltage, double insulated power adapter 110–240V 50/60 Hz, with 4 interchangeable cord types



### See how it works!

Scan the QR Code for a quick video of the Digital Orbital Shaker in action!





## Sprout® Mini Centrifuge

- Maximum Speed: Approx. 6,000 rpm (fully loaded)
- Maximum RCF: 2000 x g
- Ideal for microfilter cell separations and HPLC samples, with adapters to accommodate all major microtube and PCR tube styles (1.5/2.0, 0.5, 0.2 mL) for customized use
- Quick spin option make the unit fast and easy to use
- Functionally designed, the lid fits in the palm for one handed repeat opening and quick tube extraction
- Weighted rubberized base eliminates movement, dampens vibration and noise
- Breaking function quickly stops the unit when powered off or when the lid is opened
- ABS housing and polycarbonate lid make the unit easy to clean
- Compliant with North American and EU safety requirements
- Low voltage, double insulated power adapter with 4 interchangeable plugs
- Accessory kit includes: 6 place 1.5/2.0mL tube rotor, 16 place 0.2mL tube rotor (single or 2x8 strip), 6 tube adapters 0.2mL, 6 tube adapters 0.5mL, 4 O-rings, storage case for rotors and adapters, tube rack



**Tool-free SnapSpin rotors change out with the push of a button**



**Sprout® Plus = a larger lid to accommodate longer and skirted tubes, as well as taller tube lids**

## Sprout® Plus Mini Centrifuge

- A locking lid for added protection when the unit is in use
- Meets the latest applicable North American and EU safety requirements



### Sprout®

Item No.	Color	L x W x H		UOM
		in	cm	
HS120301	Green			
HS120395	Yellow	6 x 5 x 4.05	15.3 x 12.8 x 10.4	1 ea, 6 ea/cs
HS120396	Purple			

### Sprout® Plus

Item No.	Color	L x W x H		UOM
		in	cm	
120610	Green			
120611	Blue	6 x 5 x 4.3	15.3 x 12.8 x 10.9	1 ea, 6 ea/cs



## Portable Centrifuge Kit with Sprout®

- A convenient way to spin down and prepare samples outside of a conventional laboratory environment
- Enables the processing of samples before deterioration can take place
- Can be used in remote environments where a normal electrical supply is not an option
- Enables immediate on-site testing for faster results
- Kit includes 12V car adapter and a 12V DC power adapter for when electrical outlets are in reach
- Carry the centrifuge and its components securely in the DuraPorter® transport box that has a specially designed insert to seat the centrifuge, all its accessories and incorporates a 16-place micro tube rack as well



### Portable Centrifuge Kit

Item No.	Description	UOM
HS120568	Portable Centrifugation Kit, 100-240VAC, 50/60Hz Universal Plug + 12V Power Adapter	1 ea 6ea/cs
HS120569	Portable Centrifuge Transport Case with Inserts - only	1 ea
HS120570	12-Volt Sprout Centrifuge Adapter*	1 ea

\*Adapter can be used with Sprout Mini Centrifuge units manufactured Jan 1, 2016 - present





## Magnetic Induction Stirrer



- Capacity: 3 liter plus
- Speed: 10 to 2,000 rpm
- Motor-less, advanced coil technology with no moving parts
- Strongest magnetic coupling for viscous solutions
- Will not generate heat, even after hours of continuous use
- Multiple stirring modes; single clockwise, single c. clockwise, auto reverse rotation
- 100% wear and maintenance free
- Durable ABS housing is corrosion resistant and easy to clean
- Quiet operation and low vibration
- Continuous constant speed for reproducible results
- Two stir bars included (35 mm x 12 mm) with PTFE coating for chemical resistance

### Patent Information

Community Design No. 003515337-0001-0002  
 Euro. Pat. App. 3 246 088  
 US Design Patent No. D814,045  
 Utility Patent Pending

### Magnetic Induction Stirrer

Item No.	Color	L x W x H		UOM	
		in	cm		
120584	Grey/Purple	9.7	7.7 x 3	24.5 x 19.5 x 7.5	1 ea, 2 ea/cs
120585	Grey/Blue				



## Mini Magnetic Stirrer

An economical solution made for ultimate function



- Capacity: 1 Liter Plus
- Speed: 200 to 2200 rpm
- Optimal magnetic coupling significantly reduces stir bar spin outs
- Made of ABS and PC blend that is chemical resistant and easy to clean
- Includes two 9 x 95mm stir bars
- Low profile design has a small footprint which saves valuable bench top space

### Patent Information

US Design Patent No. D814,045  
 US and EU Utility Patent Pending

### See how it works!

Scan the QR Code for a quick video of the Digital Orbital Shaker in action!



### Mini Magnetic Stirrer

Item No.	Color	L x W x H		UOM	
		in	cm		
120155	Grey/Purple	7.2	5.2 x 1.85	18.3 x 13.2 x 4.7	1 ea, 8 ea/cs
120595	Grey/Blue				





## Vortexer

- Speed Range: Pre-set 1000, 2000, and 3000 rpm (shaking to vortexing)
- Body made from durable ABS to resist most commonly used chemicals, and is easy to clean
- Orbit: 3.7 mm
- Stable elastomeric device feet, provide vibration dampening and prevent movement during operation
- Innovative head can be removed for cleaning purposes

### Patent Information

US Design Patent No. D787,085  
US Utility Patent No. 9895670



Center pad area for hand held mixing



Assay plate x 1 (to be used with retention cords)



50 mL conical tubes x 2 (horizontally mounted)



15 mL conical tubes x 2 (horizontally mounted)



5 mL tubes x 2 (horizontally mounted in the same retention space as 15 mL)



0.5 mL microfuge tubes x 6 (vertically mounted)



1.5/2 mL microfuge tubes x 4 (vertically mounted)



0.2 mL microfuge tubes (strip tubes) x 24 (vertically mounted)

### One Mixing Head:

holds 6 tube sizes, a standard assay plate and has a center pad area for quick hand-held mixing

### See how it works!

Scan the QR Code for a quick video of the Digital Orbital Shaker in action!



## Vortexer

Item No.	Power Supply	L x W x H		UOM
		in	cm	
HS120209	110V-120V, 50-60Hz, 96 Watts, US/NA			
HS120212	220V-240V, 50-60Hz, 74 Watts, CE			
HS120214	220V-240V, 50-60Hz, 74 Watts, UK	6.7 x 7.5 x 7.8	17.1 x 19 x 19.7	1 ea, 2 ea/cs
HS120210	220V-240V, 50-60Hz, 74 Watts, AUS	(with mixing head in place)	(with mixing head in place)	
HS120318	100V-110V, 50-60Hz, 96 Watts, Japan			



## Mini Vortexer

- Speed: 4500 rpm
- Orbit: 6 mm
- Capacity: Up to 50 mL tube
- Modern design allows easy one-handed touch start operation – shaking stops when tube is lifted
- Low activation force minimizes fatigue
- Made from ABS and silicone materials that resist most commonly used chemicals
- Silicone tacky feet prevent movement during operation
- 2 silicone caps included



### Patent Information

US Design Patent No. D814,045  
US and EU Utility Patent Pending

## Mini Vortexer

Item No.	Color	L x W x H		UOM
		in	cm	
120567	Grey/Purple	5.1 x 4.3 x 3	13 x 11 x 7.5	1 ea, 8 ea/cs
120598	Grey/Blue			





**5**  
Year  
Warranty

## Digital Orbital Shaker

- Speed Range: 20-300 rpm, 1 rpm increments
- Orbit Diameter: 19 mm (0.8 in)
- Timer Range: 0 to 74 hours and 59 minutes with 1 second increments or continuous
- Body made from durable ABS to resist most commonly used chemicals, and is easy to clean
- A high weight loading of 4.5 kg (10 lbs.), with an overload protection shut-off
- No-stop electronic motor feedback, enables the unit to instantly adjust to weight load changes and unbalanced loads for truly reproducible results
- Hi-Lo platform & bungee cords allows you to create your own holding matrix for vessels of all shapes and sizes
- Suitable for use in incubators and cold rooms within the stated temperature range
- Time and speed can be separately set
- Back-lit display is easy to read
- Soft-start and shut down feature at higher speeds reduces spill instances from full vessels
- Very low start speed for sensitive sample agitation, with a high top end and good stability for more vigorous applications
- Long-life maintenance free motor and drive



### See how it works!

Scan the QR Code for a quick video of the Digital Orbital Shaker in action!



Item No.	L x W x H		Platform Interior W x D		UOM
	in	cm	in	cm	
120460	12.4 x 7.8 x 12.2	31.4 x 19.7 x 31	11 x 11	27.9 x 27.9	1 ea





**Soft-Coated Triggers**  
with direction indicators

**Ergonomically Balanced**  
in the hand with a loaded pipette

**Universal Grip**  
for right- or left- handed users



**Easy Identification**

5 different colored nose cones help differentiate department, task or user, as well as a labeling area on the side of the unit



**Magnetic Wall-Mount**



**3 Modes**

Bright LEDs indicate 3 operation modes: high, low, & gravity



**Storage Stand**

doubles as a charging station



**RF3000®**

- Long-life Li-ion battery, with quick charge—up to 20 hours continuous use
- Toggle operation by pressing the large mode button
- An adapter can be fitted to the nose cone to stabilize small volume and thinner pipettes
- New USB connector ensures the appropriate charger is used with the unit
- Low-battery indicator
- Can be recharged when in use
- Filter: PTFE/25mm dia/0.45 µm filter
- **Autoclavable** nose cone assembly

**RF3000®**

Item No.	No. of Channels	Volume Range mL	L x W in	cm	UOM
HS3000	Single	1–100	9 x 8.5 x 5	22.9 x 21.6 x 12.7	1 ea, 6 ea/cs

**Replacement Parts**

Item No.	Description	Material	Color	UOM
HS5000RFFIL	Replacement Filters			5 ea/pk
HS120669	Power Adaptor 5VDC Micro USB Plug			1 ea
HS300502	Battery* RF3000®			1 ea
HS120487	Nose Cones (4), Filter (1), & 1 mL Nose Cone Adapter Polypropylene Assorted**		■ ■ ■ ■	5 ea/pk

\*Battery not included in 5 Year Warranty    \*\*Assorted colors (Black, Gray, Red and Yellow)



## eCount Colony Counter

- Light, ergonomic body is balanced for easy manipulation
- Select between an audible beep or an LED flash to acknowledge count
- Store up to 32 separate counts and display the total of all counts
- Count up/down verification
- Lock counter off to allow use of the marker without registering more counts
- Hand tally adapter allows you to use the eCount as a digital tally counter
- Quick and easy to change between different colored markers to check different colony counts in the same view

- Package Includes: eCount Colony Counter, black Sharpie® pen, long-life button battery, hand tally adapter, and weighted stand

### Patent Information

EP Registered Design No. 705751-0001  
US Utility Patent No. D564385



Item No.	L x W in	L x W cm	UOM
HS120000	7.4 x 1.2**	17 x 3**	1 ea, 6 ea/cs
HS120228	CR1225 Battery*		1 ea

\*Battery not included in 5 Year Warranty

\*\*Measurements shown are with Sharpie® Pen inserted



## Mini Magnifier

- Molded lens swivels to adjust viewing angle for optimal view
- 1.75x magnification

## Mini LED Light Box

- Ideal for quick screening of 96-well plates, Petri dishes, electrophoresis gels, slides, and transparencies
- LED light source stays cool and has longer life (10,000 hours) and low power consumption
- Viewing area 125 x 100 mm (5" x 4")
- Powered by six 1.5V AAA

Item No.	Description	L x W x H in	cm	UOM
120661	Mini Light Box*	6.2 x 5.9 x 0.6	15.8 x 15 x 1.4	1 ea
HS15092D	Mini Magnifier	6.3 x 5.3 x 8.1	16.1 x 13.5 x 20.7	1 ea, 24 ea/cs

\*Batteries included



### Replacement Part Kit:

- 2 extra blades
- 2 extra heating elements
- 2 extra PTFE cloths

## Heat Sealer with Cutter

- Timing knob ensures safe sealing. Simply turn knob to set time (1-8 seconds), press handle down and release when light indicates cycle is complete
- Can seal a bag up to 12 in (30.5 cm) long
- Heating element measures 31 cm long and is only hot when sealing
- Includes one replacement part kit
- Additional replacement part kits can be ordered separately



Item No.	Power Supply	D x W x H in	cm	UOM
HS28270	220/230 VAC, U.K			
HS28271	220/230 VAC, Cont. Europe/Israel	3.4 x 17.6 x 6.5	8.6 x 44.6 x 16.6	1 ea, 8 ea/cs
HS28272	110/120 VAC, U.S./Taiwan/Japan			
HS28280	Replacement Part Kit			1 ea/pk



