

# Cool-It™

For round bottom  
flasks up to 2 litres

*The safest and  
most efficient  
way of cooling and  
stirring a  
round bottom  
flask*



Cool-It is virtually unbreakable and designed to allow powerful stirring with all leading brands of stirrer including Heidolph, IKA, Eylea and Radleys.

#### Easy pour spout and handle

Cool-It's unique non-drip spout and ergonomically designed handle makes the disposal of waste solvents much safer and easier than with a standard dewar or bowl; avoiding accidental spillages and creating a safer working environment.

#### Large and small bowl options

Cool-It is available in two sizes of bowl. The small Cool-It bowl is suitable for flasks up to 400ml, and large Cool-It bowl for flasks up to 2 Litres. Both sizes have their own dedicated lid.

#### Protects your stirrer and minimises spills

As well as insulating your reaction Cool-It minimises condensation on the outer surfaces, protecting your stirrer from frost and moisture ingress. It is also designed to fit securely onto the top plate minimising accidental spills and the risk of the bowl being knocked off the top plate.

#### Cool-It fits on to all popular brands of stirring hotplate

Cool-It bowls are suitable for use with all stirring hotplates with a circular top plate up to 145mm in diameter. For stirring hotplates with 135mm  $\varnothing$  top plates (e.g. IKA, Eylea, Radleys etc) an optional top plate adapter is available if required.

#### Cool-It accessories

A useful range of accessories are available including, clamp, stand, stirring hotplate, digital thermometer, scoop, protective gloves, apron and face shield.

Cool-It accepts all shapes and sizes of round bottom and florentine flask.

including 10ml, 50ml, 100ml, 150ml, 200ml, 250ml, 300ml, 400ml, 500ml, 1 litre and 2 litre.

Easy pour design with spout and handle



Large Cool-It bowl for flasks up to 2 litres



Large Cool-It bowl with lid, stirrer, stand and digital thermometer



# Cool-It™ insulated bowls for round bottom flask up to 2 litres

The safest and most efficient way of cooling and stirring round bottom flasks to  $-78^{\circ}\text{C}$ .



Small Cool-It bowl for flasks up to 400ml

Cool-It replaces fragile glass dewars, unstable plastic bowls and keeps your chemistry colder for longer.

The compact and virtually unbreakable Cool-It insulated bowls are designed to fit onto a standard stirring hotplate to cool and stir round bottom flasks, beakers, test tubes etc.

## Cool-It keeps it cooler for longer

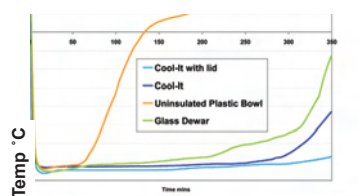
The excellent design and insulation qualities of the Cool-It bowls keep your sample cooler for longer.

- Compared to a standard non-insulated plastic bowl Cool-It will keep your sample below  $-70^{\circ}\text{C}$  for up to 5 times longer.
- Compared to a glass dewar Cool-It will keep your reactions below  $-70^{\circ}\text{C}$  for twice as long.



## Cool-It vs Glass Dewar

Acetone & Dry Ice, 250ml flask, 100ml acetone



Time Minutes

## Optional lid increases cooling time by 20%

Cool-It bowls come with unique two piece lid, which is easily fitted (and removed) once your flask is in place. Using the lid can keep your reaction cool for up to 20% longer, minimises condensation and ice formation on your flask (maintaining visibility of the contents) and prevents spitting from the cooling mixture.



## Unbreakable

Cool-It bowls are manufactured from a robust, chemically resistant HDPE casing encapsulating a high quality insulated foam core. The combination of tough composite materials not only provides excellent insulation but is also durable, and unlike fragile glass dewars, Cool-It is virtually unbreakable if dropped.

Cool-It bowls available with FREE Lid



Small Cool-It bowl with lid, stirrer, stand and digital thermometer

# Cool-It™ Specifications and Ordering Information



## Cool-It Bowls

### Cool-It Small Bowls

RR71011	Cool-It Small Bowl + Free Lid
RR71012	Cool-It Small Bowl
RR71015	Cool-It Small Lid
RR61085	Adapter Plate for 135mm Stirring Hotplates

### Cool-It Large Bowls

RR71021	Cool-It Large Bowl + Free Lid
RR71022	Cool-It Large Bowl
RR71025	Cool-It Large Lid
RR61085	Adapter Plate for 135mm Stirring Hotplates

## Cool-It Systems

### Cool-It Basic System 1

RR71500	Cool-It Basic System 1
	1 x RR71011 Cool-It Small Bowl + Free Lid
	1 x RR71021 Cool-It Large Bowl + Free Lid
	1 x RR61085 Adapter Plate for 135mm Stirring Hotplates
	1 x RR71200 Stirring Bar Evaluation Kit - for flasks (pk 10)
	1 x RR99908 Dry Ice Scoop

### Cool-It Standard System 2

RR71501	Cool-It Standard System 2
	1 x RR71011 Cool-It Small Bowl + Free Lid
	1 x RR71021 Cool-It Large Bowl + Free Lid
	1 x RR61085 Adapter Plate for 135mm Stirring Hotplates
	1 x RR99905 Digital Thermometer (-250C to +400C) and 200mm Probe
	1 x RR71100 Support Stand A-Shape Base
	1 x RR71105 Support Rod 600x12.5mm
	1 x RR71110 Retort Clamp to 85mm
	1 x RR71115 Boss Head 16mm
	1 x RR71200 Stirring Bar Evaluation Kit - for flasks (pk 10)
	1 x RR99908 Dry Ice Scoop

### Cool-It Complete System 3

RR71502	Cool-It Complete System 3
	1 x RR71011 Cool-It Small Bowl + Free Lid
	1 x RR71021 Cool-It Large Bowl + Free Lid
	1 x RR61085 Adapter Plate for 135mm Stirring Hotplates
	1 x RR98072 Carousel Stirring Hotplate 230v UK Plug
	1 x RR99905 Digital Thermometer (-250C to +400C) and 200mm Probe
	1 x RR71100 Support Stand A-Shape Base
	1 x RR71105 Support Rod 600x12.5mm
	2 x RR71110 Retort Clamp to 85mm
	2 x RR71115 Boss Head 16mm
	1 x RR71200 Stirring Bar Evaluation Kit - for flasks (pk 10)
	1 x RR99908 Dry Ice Scoop
	1 x RR99909 Cold Temperature Apron 1060mm long, Waterproof
	1 x RR99910 Protective Face Shield
	1 x RR98024 Protective Cold Temperature Gloves

### Cooling Protection Kit

RR71505	Cooling Protection Kit
	1 x RR99909 Cold Temperature Apron 1060mm long, Waterproof
	1 x RR99910 Protective Face Shield
	1 x RR98024 Protective Cold Temperature Gloves

### Clamp & Stand Kit

RR71510	Flask Stand & Clamp Kit
	1 x RR71100 Support Stand Base A-Shape
	1 x RR71105 Support Rod 600x12.5mm
	1 x RR71110 Retort Clamp to 85mm
	1 x RR71115 Boss Head 16mm

## Cool-It Accessories

### Stirring Hotplates & Temperature Controller

RR98072	Carousel Stirring Hotplate 230v UK Plug
RR98072/EURO	Carousel Stirring Hotplate 230v Euro Plug
RR98072/JAP	Carousel Stirring Hotplate 110v Japanese Plug
RR98072/SWISS	Carousel Stirring Hotplate 240v Swiss Plug
RR98072/USA	Carousel Stirring Hotplate 115v US Plug
RR98073	Carousel Temperature Controller

### PTFE Magnetic Stirring Bars

RR98075	Cross Shape Stirring Bar 10mm (for 5 to 10ml) pk 40
RR98091	Cross Shape Stirring Bar 16.5mm RE (for 25 to 50ml) pk 20
RR99064	Elliptical Stirring Bar 25mm RE (for 100 to 400ml) pk 10
RR95920	Oval Stirring Bar 40mm (for 500 to 1000ml) pk 5
RR95921	Oval Stirring Bar 50mm (for 2000ml) pk 5
RR71200	Stirring Bar Evaluation Kit - for flasks, pk 10 (contains 2 each of the above stirring bars)

### Cool-It Accessories

RR99905	Digital Thermometer (-250C to +400C) and 200mm Probe
RR99906	Digital Thermometer (-250C to +400C)
RR99907	200mm Temperature Probe
RR99908	Dry Ice Scoop
RR99909	Cold Temperature Apron 1060mm long, Waterproof
RR99910	Protective Face Shield
RR98024	Protective Cold Temperature Gloves

### Support Stands & Clamps

RR71100	Support Stand A-Shape Base
RR71105	Support Rod 600 x 12.5mm
RR71110	Retort Clamp to 85mm
RR71115	Boss Head 16mm

Prices are in Pounds Sterling or Euros and exclude VAT and delivery.  
For pricing in other currencies please contact your local distributor

