



Heat-On™ PTFE Safety Covers

These innovative, solid PTFE Safety Covers reduce the risk of users touching a hot Heat-On block and provide the added benefit of lowering energy consumption

- Reduces the temperature of contact surface areas by up to 50%
- PTFE insulation reduces energy consumption by 15%
- Chemical-resistant PTFE withstands temperatures up to 260°C
- Helps prevent accidental spills of solvents onto hot surfaces
- Fits easily over existing Heat-On blocks

Improving the productivity of your chemistry



t: +44 1799 513320
e: sales@radleys.co.uk
www.radleys.com

Reduces temperature of hot surfaces by up to 50%

Heat-On PTFE Safety Covers

These innovative, solid PTFE Safety Covers reduce the risk of users touching a hot Heat-On block and provide the added benefit of lowering energy consumption.

- Reduce the temperature of contact surface areas by up to 50%
- PTFE insulation reduces energy consumption by 15%
- Helps prevent accidental spills of solvents onto hot surfaces
- Chemical-resistant PTFE withstands temperatures up to 260°C
- Fits easily over existing Heat-On blocks

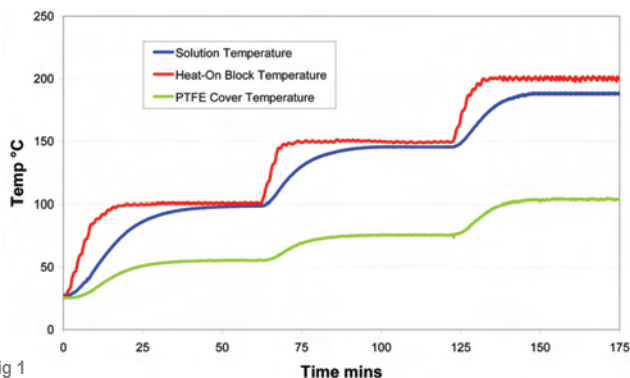
Easy to use

These PTFE Safety Covers simply slide over the top of your existing Heat-On block, acting as a second skin, allowing temperature probes and handles to be used as normal. The non-stick PTFE surfaces can be wiped clean with ease.

Improved safety

Manufactured from solid PTFE, these safety covers provide an insulating barrier between the user and hot Heat-On blocks. Tests show that the temperature difference between the outside surface of the PTFE cover and the Heat-On block can be as much as 100°C (Fig. 1) reducing the temperature of exposed surfaces by as much as 50%.

1000ml Heat-On Block with flask filled with 500ml TEG;
Stepped Block Control with PTFE Safety Cover



Improved efficiency

The insulating properties of PTFE Safety Covers mean that up to 15% less energy is required to maintain temperatures for extended periods (Fig. 2).

Comparison of energy consumption with and without PTFE Safety Cover

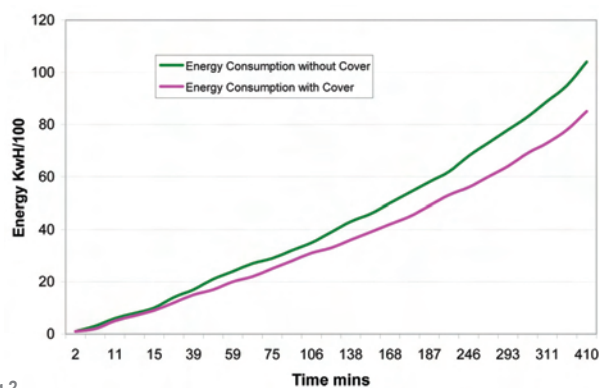


Fig 2

Why use Heat-On blocks?

- Heat-On blocks are simply the safest, fastest and most efficient way to heat and stir a round bottom flask from 10ml to 5 litres.
- Replace messy oil baths, heating mantles, avoid spills and make your chemistry safer, cleaner and faster.



Cat No.	Description	For use with
RR63005	Heat-On Multi-Well Holder PTFE Safety Cover	Multi-Well Block Holder and all Inserts
RR63040	Heat-On 200-300ml block PTFE Safety Cover	250ml blocks with and without flask sidearm cut-outs 200ml and 300ml Florentine blocks
RR63045	Heat-On 500ml block PTFE Safety Cover	500ml and 500ml Florentine blocks
RR63050	Heat-On 1 litre block PTFE Safety Cover	1 litre and 1 litre Florentine blocks

NB. This product is not available in the USA