

Heat-On™ Block System - *the safer alternative to oil baths*

The safest, fastest and most efficient way to heat and stir round bottom flasks from 10 ml to 5 litres

Features

- Replace messy oil baths and heating mantles and avoid spills.
- Make your chemistry safer, cleaner and faster.
- Solid aluminium blocks provide even heating.
- Lightweight design allows rapid heating.
- Uniquely shaped well design eliminates cracking of flasks.
- Blocks feature two probe holes and optional lifting handles.
- Use up to 260 °C.
- Also available for Florentine flasks, vials and tubes.



Heat-On Multi-Well Block
with 50 ml and 100 ml
flask inserts

Not all block designs
are the same

Test results show that Heat-On
heats up to 66% faster and
uses 30% less energy than
other brands of block.

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application bulletin



The risk of oil fires and injury from hot oil spills, plus the mess and cost associated with the use of oil, means that oil baths no longer represent safe working practice in labs. Heating mantles are expensive, difficult to clean, do not respond well to spills and often create hot spots when heating. Scientists are increasingly turning to specially designed aluminium blocks located on stirring hotplates to heat standard round bottom flasks.

A large central diagram shows a Heat-On block system in use. A round-bottom flask containing a red liquid is placed in a black block, which sits on an orange magnetic stirrer/hotplate. The stirrer has a digital display showing '48.5' and '20'. A metal clamp holds the flask. Various callouts point to different components and features of the system.

Heat-On Multi-Well Block

- Accepts two 50 ml or 100 ml flasks, or one 150 ml flask

Two temperature probe holes

- Accept 3 mm \varnothing probe

Over 50 styles and sizes to choose from

- Accepts tubes and flasks
- 1 ml to 5 litres

Lightweight design enables rapid heating

- Use up to 260 °C
- Uses 30% less energy
- Heats water 66% faster

Unique well design prevents flask cracking

- Unlike many other inferior blocks, Heat-On will not crack your flask when cooling

Optional lifting handles

- Quick-release mechanism for safe removal

Fluoropolymer coating

- Superb chemical resistance
- Easy to clean
- Speeds up heating times

Anodised finish

- Heat-On blocks are also available with a lower cost anodised finish if preferred

PTFE safety covers reduce the risk of burns

- Reduces surface temp. by up to 50%
- Reduces energy consumption by 15%
- Available for the most popular Heat-On sizes

Square hotplate adapter

- Allows Heat-On to sit on a square top plate up to 200 x 200 mm

Fits all leading hotplate brands

- Suitable for 145 mm \varnothing top plates
- Optional adapter for 135 mm \varnothing top plates

260°C