

The Tornado integrates with the Carousel 6 Plus to provide powerful, controlled mechanical stirring of up to six round bottom flasks.

It offers unrivalled stirring for both viscous samples and for the dispersion of delicate solids in solution.

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Carousel 6 Plus Reaction Station™

The patented Carousel 6 Plus simultaneously heats, stirs and refluxes multiple samples under an inert atmosphere

Accepts round bottom flasks: 5 ml, 10 ml, 25 ml, 50 ml, 100 ml, 170 ml and 250 ml sizes.

Features

- Powerful, even stirring - fits onto a Carousel Stirring Hotplate.
- Rapid heating to 180 °C.
- Quick to set up and easy to use.
- Water-cooled reflux head.
- Perform reactions under an inert atmosphere.
- Easy viewing of flask contents during experiments.
- 100 ml and 250 ml azeotropic (Dean and Stark) flask option.
- PTFE caps feature a quick-thread for fast attachment to flasks.

180°C



A wide range of accessories including liquid additions funnels, powder funnels and rotary evaporator adapters

Heated directly by the stirring hotplate with optional digital control and Pt1000 temperature sensor

Central inlet/outlet for vacuum and gas, combined with a radial gas distribution system and gas-tight PTFE caps, allow reactions under an inert atmosphere

Round design makes all reaction flasks visible, with no need to lean into the fume hood

Chemical-resistant Easy-On PTFE caps feature a quick-thread for fast attachment to the glass tubes and push-on connections to the stainless steel gas outlets

Water-cooled aluminium reflux head provides efficient refluxing within individual glass reaction flasks. Quick-release couplings prevent water loss during set-up/breakdown

Aluminium inserts allow easy removal of flasks and good temperature transfer for refluxing

Range of glass vessels: 5 ml, 10 ml, 25 ml, 50 ml, 100 ml, 170 ml and 250 ml round bottom flasks, as well as vessels with one or two sidearms

PTFE heat protection ring protects user from contact with hot base

Rare earth elliptical PTFE stirring bar provides powerful stirring and a deep vortex

Control and log your chemistry



Round aluminium base transmits heating evenly to all positions. Compact size has small bench-top footprint. Easy to store

Utilises the single rotating magnetic field of the hotplate stirrer to stir all the positions evenly and powerfully

Aluminium inserts for 5 ml, 10 ml, 25 ml, 50 ml, 100 ml and 170 ml flasks



5 ml Reaction Flask
Reflux Tube & PTFE Cap

10 ml Reaction Flask
Reflux Tube & PTFE Cap

25 ml Reaction Flask
Reflux Tube & PTFE Cap

50 ml Reaction Flask
Reflux Tube & PTFE Cap

50 ml Flask with Sidearm
Reflux Tube & PTFE Cap

100 ml Reaction Flask
Reflux Tube & PTFE Cap



Carousel Stirring Hotplate offers higher temperature, powerful stirring and digital control

Cooled Carousel 6 Plus Reaction Station™

Cost effective low temperature parallel synthesis down to -78°C

The Cooled Carousel 6 Plus allows chemists to perform sub-ambient reactions in a range of flasks from 5 ml to 250 ml with the option of an inert, moisture-free atmosphere.

Features

- Simultaneously perform up to six cooled and stirred reactions to -78°C .
- Powerful, even stirring - reservoir fits on to a Carousel Stirring Hotplate.
- Robust HDPE cooling reservoir is compatible with a wide range of cooling mixtures, including dry-ice/acetone for manually controlled cooling from ambient down to -78°C .
- Insulated foam core maintains low temperatures for long periods, whilst protecting the stirrer from freezing. Also reduces condensation and ice formation on outer surfaces.
- HDPE lid keeps reactions cooler for longer, minimises ice formation on flasks (maintaining visibility of the contents) and prevents spitting from the cooling mixture.
- Round design makes all reaction flasks visible and allows easy addition of reagents and solvents, with no need to lean into the fume hood.



Visit www.radleys.com to download a PDF on the Cooled Carousel 6 Plus



HDPE lid reduces frost formation and reduces the risk of solvents spitting.

Insulated foam core maintains low temperatures for long periods whilst protecting the stirrer from freezing and also reduces condensation and ice formation on outer surfaces

Utilises the single rotating magnetic field of the hotplate stirrer to stir all the positions evenly and powerfully



Fits on a standard Carousel Stirring Hotplate

Compact size has a small bench-top footprint and is easy to store

Carousel Stirring Hotplate powerful stirring with optional digital control

No electrical or moving parts ensures maintenance free operation. Easy to set up with minimal training time

Chemical-resistant Easy-On PTFE caps feature a quick-thread for fast attachment to the glass tubes and push-on connections to the s/steel gas outlets

Central inlet/outlet for vacuum and gas, combined with a radial gas distribution system and gas-tight PTFE caps, allow reactions under an inert atmosphere

Round design makes all reaction flasks visible, with no need to lean into the fume cupboard

Robust HDPE cooling reservoir is compatible with a wide range of freezing mixtures including dry-ice/acetone for manually controlled cooling from ambient to -78°C

Rare earth elliptical PTFE stirring bar provides powerful stirring and a deep vortex



100 ml Flask with Sidearm
Reflux Tube and PTFE Cap

170 ml Reaction Flask
Reflux Tube and PTFE Cap

250 ml Reaction Flask
Reflux Tube and PTFE Cap

250 ml Wide
Neck Vessel

250 ml Flask with 2 Sidearms
with Dropping Funnel

250 ml Reaction Flask
with Dropping Funnel

250 ml Azeotropic Reaction
Flask with Dropping Funnel