

Simple and convenient, the Carousel Work-Up Station will reduce post-synthesis bottlenecks.



Work-Up Station for parallel or sequential work-up of 12 samples, using filtration, phase separation, liquid/liquid extraction or SPE.

Carousel 12 Plus Reaction Station™

The patented Carousel 12 Plus simultaneously heats/cools, stirs and refluxes multiple samples under an inert atmosphere

An effective personal synthesis station for parallel solution phase chemistry and solid supported reagent based synthesis.

220 °C



Features

- Accepts up to 12 glass tubes with a reaction volume of 1 ml to 20 ml.
- Powerful, even stirring - fits onto a Carousel Stirring Hotplate.
- Rapid heating to 220 °C and cooling to -78 °C.
- Quick to set up and easy to use.
- Easy viewing of tube contents during experiments.
- Removable water-cooled reflux head.
- Perform reactions under an inert atmosphere.
- Fluoropolymer coating for chemical resistance and easy cleaning.
- PTFE caps feature a quick-thread for fast attachment to glass tubes.
- Removable reflux head allows reaction tubes to be transferred between heated base, cooled base or stand.



The world's most popular parallel synthesiser

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

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

Water-cooled aluminium reflux head provides efficient refluxing within individual reaction tubes

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.

Quick-release water couplings with cut-off valves for ease of connection to cooling water supply.

Accepts up to 12 tubes with reaction volume of 5 to 20 ml (1 ml with reduced volume tubes).

Fluoropolymer coating for chemical resistance and easy cleaning.

Easy to operate and set up with minimal training. No electrical or moving parts ensure maintenance-free operation.

Unique removable fluoropolymer insulation plate helps insulate the heated base for faster heating and energy savings of up to 36%.

Base design improves heat transfer and provides energy savings. Maximum operating temperature 180 °C (220 °C for short periods).

Visibility slots allow easier viewing of tube contents. Easy to rotate round design gives access to all tubes with no need to lean into the fume cupboard.

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

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

Rare earth cross shaped stirring bars for vigorous stirring and a deeper vortex, without jamming.

Control and log your chemistry



Cooled Carousel 12 Plus Reaction Station™

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

The innovative Cooled Carousel 12 Plus reservoir is designed to accept the removable reflux/inerting head from the Carousel 12 Plus, allowing reaction tubes to be easily and rapidly transferred between heating and cooling bases.

Features

- Simultaneously performs 12 cooled and stirred reactions to -78°C .
- Powerful, even stirring - reservoir fits on to a Carousel Stirling 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 .
- Features a non-drip spout and handle for disposal of waste solvents.
- 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 your reaction cooler for longer, minimises ice formation on your tubes (maintaining visibility of the contents) and prevents spitting from the cooling mixture.
- The robust HDPE reservoir is virtually unbreakable.

-78°C



Upgrade your Carousel to perform cooled chemistry



Transfer the reflux/inerting head to the cooled reservoir



Carousel 12 Plus Stand

The Carousel stand is designed to support the reflux/inerting head either with or without reaction tubes.

The heavy duty metal stand is fluoropolymer coated for improved chemical resistance and ease of cleaning. The integral drip tray catches any dripping condensation from tubes and gives excellent stability.

