

## How to order Reactor-Ready Pilot

1. Select the Reactor-Ready Pilot Core.



2. Choose the lid you require (custom options available).



3. Choose the vessel kits you need.



4. Select the overhead stirrer you need.



5. If you need a thermoregulator, hoses, hose adapters, thermofluid or accessory glassware, then select from the accessory list.



6. If you need automation, add AVA Software and Data Hub.

Control  
and log your  
chemistry



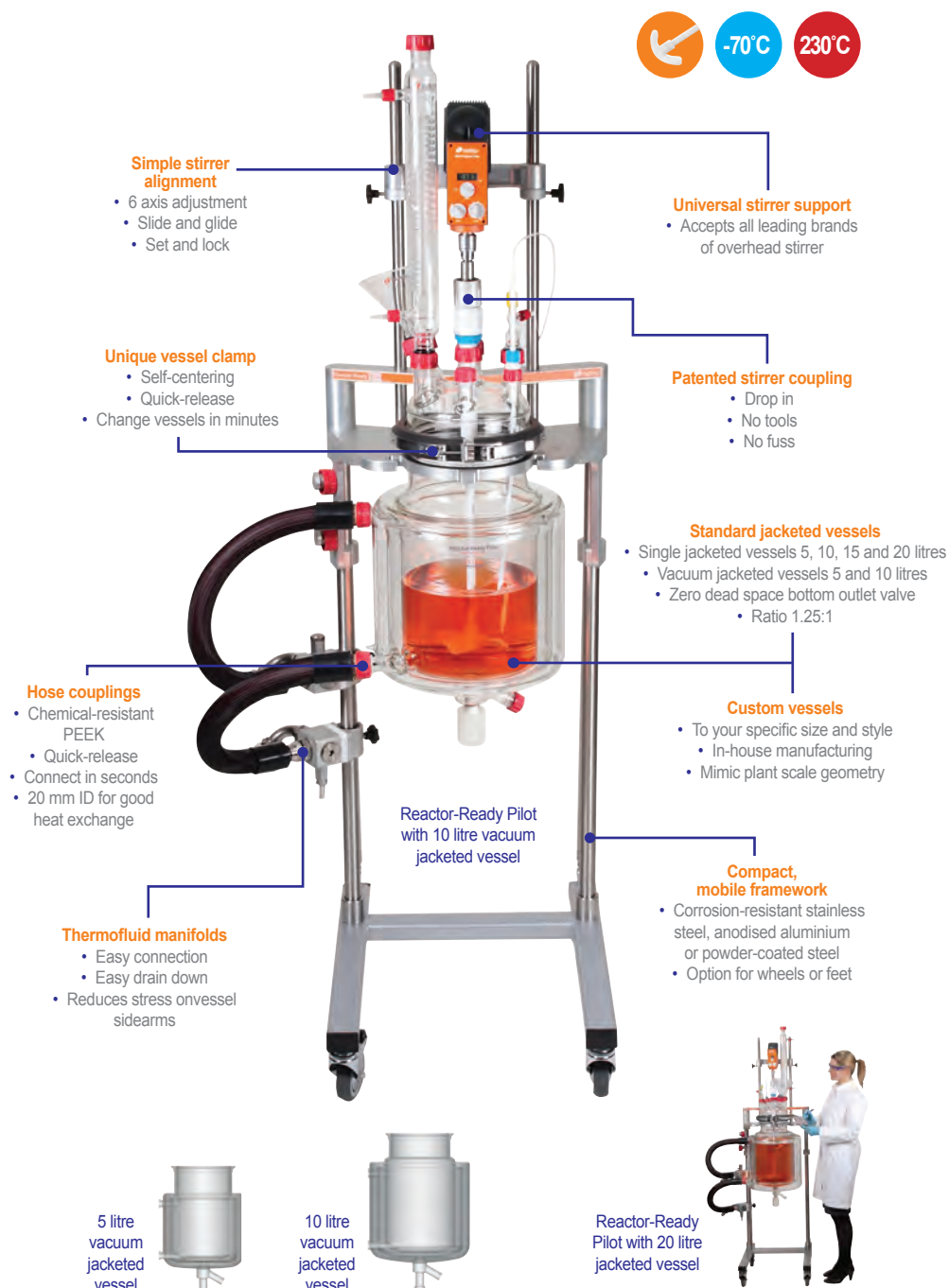
## Reactor-Ready™ Pilot - 5 to 20 litres

Replace multiple reactor set-ups with a single, universal pilot scale system with interchangeable vessels that can be swapped in minutes, not hours

Reactor-Ready Pilot is ideal for process development, scale-up, pilot and kilo labs.

### Features

- Rapid vessel exchange with quick-release vessel clamp and wide bore hose couplings.
- Single jacketed vessels available in 5, 10, 15 and 20 litres.
- Vacuum jacketed vessels available in 5 and 10 litres.
- Vessels have 1.25 to 1 ratio of internal height to diameter to mimic plant scale reactors.
- DN200 vessel flange.
- Accepts all leading brands of overhead stirrer and allows easy, tool-free adjustment.
- Compact stainless steel framework accepts all vessel sizes.
- Self-aligning stirrer coupling engages without the need for tools.
- Jacket temperature range: -70 °C to +230 °C.
- Innovative hose manifolds allow easy thermofluid drain down.



# AVA™ Software - *take control of your chemistry*

## AVA Level 4 controls multi-device jacketed reaction systems

- Unattended chemistry for improved productivity
- Automatically log your process data
- Improve safety and reduce manual errors
- Control any reactor



### If you answer YES to any of the following:

Do you want to...

- ✓ Manage multiple devices easily during complex reactions?
- ✓ Have freedom from manual recording of experimental data?
- ✓ Safely run and monitor unattended reactions 24/7?
- ✓ Reduce manual errors or inconsistencies in your chemistry?
- ✓ Safely control exotherms?

**Then AVA Software is what you need to take control of your chemistry**

### Control multi-device reactions

- Control up to 4 reaction systems with up to 16 devices on one screen
- Create complex experiments with any number of steps in series or in parallel
- Pre-program multi-step recipes, with the flexibility to make and track on-the-fly adjustments
- Interlink devices and set feedback/control loops, end-point conditions and safety limits

### No more manual data logging or manual errors

- Automatically record reaction parameters and log what you do, as you do it
- Repeat experiments accurately for reproducible and consistent results
- Create reports in a few clicks or export data as a CSV file for further analysis
- Share results between users to improve research and collaboration

### Safe unattended chemistry

- Automate cooling during exothermic events
- Link devices such as balances and pumps for controlled, unattended reagent addition
- Define safety overrides and cut-off conditions
- Configure audio and visual alarms

## Download and try AVA software for FREE

### Learn how AVA software works - try before you buy

- Simulate control of devices
- Set up apparatus and control experimental Schedules
- Share setups and Schedules with other AVA users
- Analyse results and create reports for real or simulated data
- Find out more about AVA Level 1-3 on our website

### AVA Care Support

- Free support for 1st year
- Free priority email and telephone support
- Free set-up and application support
- Free software updates during support period, keeping software current.

### Data Hub

Integrates devices via an RS232 serial interface



Download  
Free Demo  
www.radleys.com

### Level 4



Control and log reaction systems with multiple devices



### Control a variety of devices

AVA software includes a library of pre-configured driver files allowing easy integration with a wide range of 3rd party devices.

Radleys also provide a 'New Driver Configuration Service' if required.

