

# Custom/Bespoke Reaction Systems - 100 ml to 35 litres

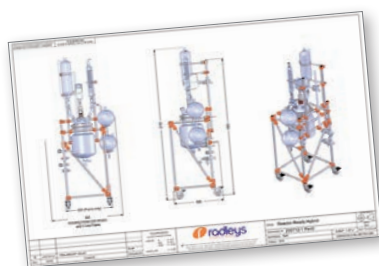
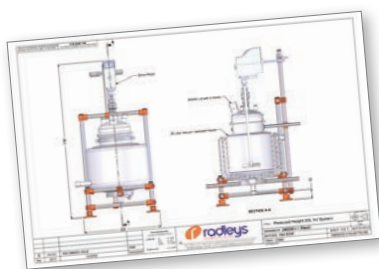
## Jacketed reaction systems designed to meet your specifications

Radleys are experts in the design and manufacture of exceptional quality scientific glassware. We have a long history (over 50 years) of working with chemists and chemical engineers in the leading industrial and academic research facilities around the world. Whether you require a multi-vessel process rig, a small benchtop reactor or a complex parallel set-up, our team of design engineers and scientific glassblowers will be pleased to help with your project.

### Simply tell us what you need

The combination of features and design variations is almost limitless. Please contact our technical specialists or your local Radleys distributor to discuss your requirements.

In-house  
design and  
manufacture of  
vessels



In-house design and manufacture of custom glass reaction vessels and frameworks



An installation of six 30 litre jacketed reaction systems in Shanghai, China



### Scope of our services

- In-house design and manufacture
- Frameworks and supports
- Thermoregulators, chillers and circulators
- Overhead stirrers, sensors and probes
- Data logging and software control
- Installation and training

### Vessels

- Single or vacuum jacketed
- Jacketed vessels to 35 litres
- Vacuum jacketed vessels to 10 litres
- Tall, squat or process vessel geometries
- Cylindrical or spherical vessels
- Split jackets and optical windows
- Conical, dish or hemispherical vessel bottoms
- Vessels with optical windows or split jackets
- Vessels with fixed or removable filters or sinters
- Glass or PTFE lids

### Systems

- Multi-reactor systems for parallel synthesis
- Fermenters, bioreactors and photoreactors
- Condensers, distillation assemblies, scrubbers

### Accessories

- Thermoregulators with supply and servicing
- Thermofluids, hoses and adapters
- Overhead stirrers: electric or air-powered



A custom parallel system and framework, with control software installed in Germany



Control and log your reaction system with AVA Laboratory Control Software