



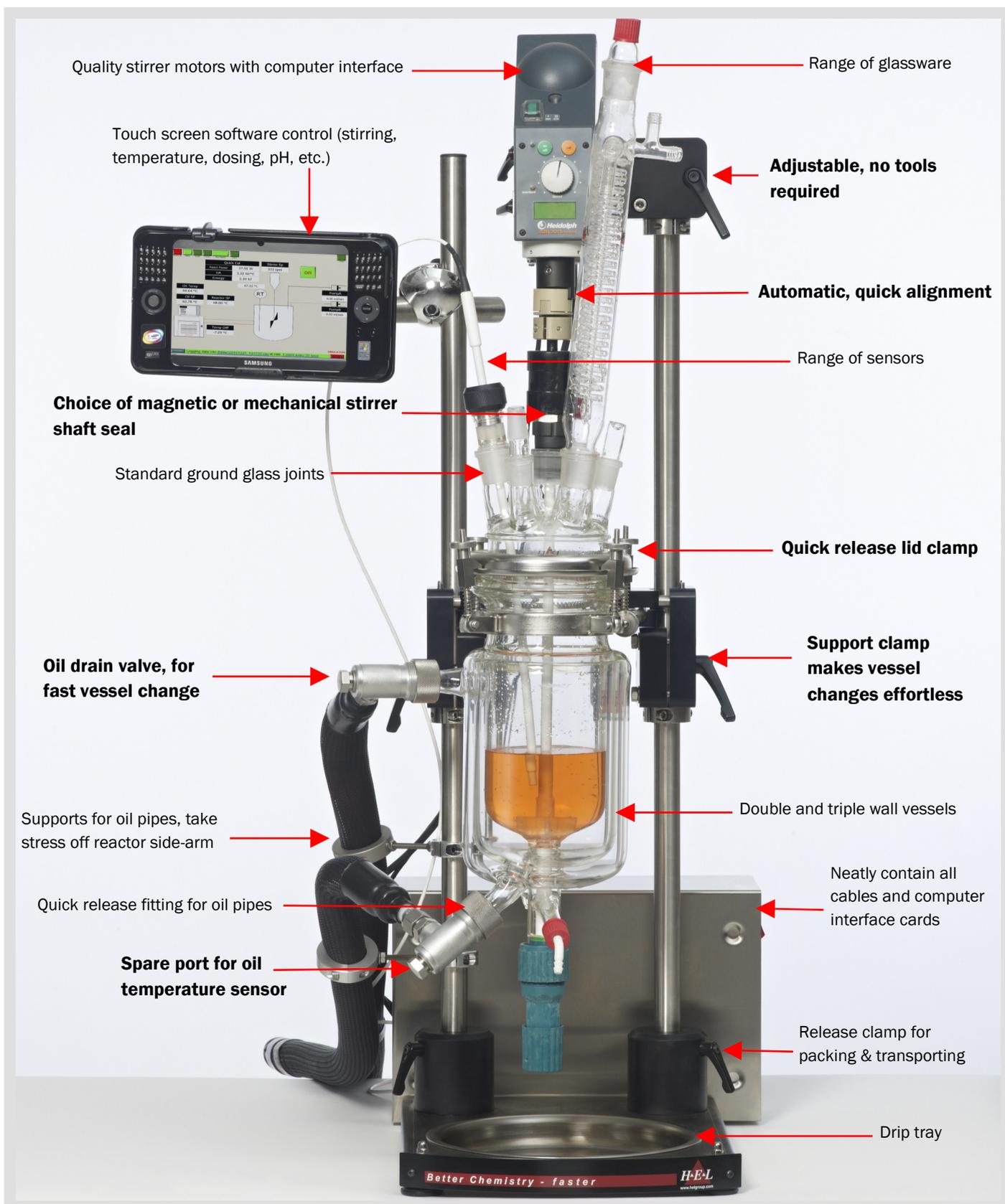
Research Reactors



better chemistry – faster

AutoLAB flex

Controlled Reactor Made Easy





Research Reactors

AutoLAB Flexi-Frame

Flexibility and economy, without compromise on quality

Features and Benefits

Adjustable

Several degrees of freedom to adjust for different vessel sizes (up to 5L) and stirrer motors without use of tools. All standard motor designs and glassware are accommodated; motors commonly supplied have computer interface as well as manual control, and display torque change.

Quick Oil Drainage

Custom design pin allows oil to be drained quickly and effortlessly from vessel jacket and oil pipes. This allows circulators, oil pipes and vessel to be exchanged easily.

Easy Vessel Exchange

Vessels of different size and type can be exchanged easily without any tools or oil spillage. After oil has been drained, vessel change becomes simple and fast:

- Quick-release fitting on reactor side-arm frees the vessel from the oil pipe.
- Oil pipe support ensures there is no stress on vessel side-arm at any time.
- Tool-less self-aligning stirrer coupling, allows stirrer motor to be moved aside safely and easily
- Quick-release lid clamp allows easy removal of probes & lid

Touch-screen Control

Touch-screen control and logging of temperature, agitation and optionally also dosing and pH are possible through HELs proprietary MicroNOTE system. This add-on module can be either clamped on to the reactor stand or else moved and placed outside the fume-hood interchangeably. Any required interface electronics for probes, stirrer motor and circulators are neatly and safely contained in an integrated box.

Expandable

Extra features can be added at any time including computer control, extra glassware, different stirrer types and more reactor vessels.

Portable

Release clamp allows reactor support rods to be released for convenient packing and transporting of assembly.

Quick Specifications

Vessel Range	100mL– 5L
Temp Range	-80° to +250°C
Stirring	100 to 2000 rpm



Vessel pulls out by undoing just one support clamp



Real time data displayed graphically, via touch control interface

Innovative and expandable system, backed up by 25 years experience in reactor design

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