



# 50 L & 100 L Stirred Reactor Systems

725 psi (50 bar), 200 °C

## Features include

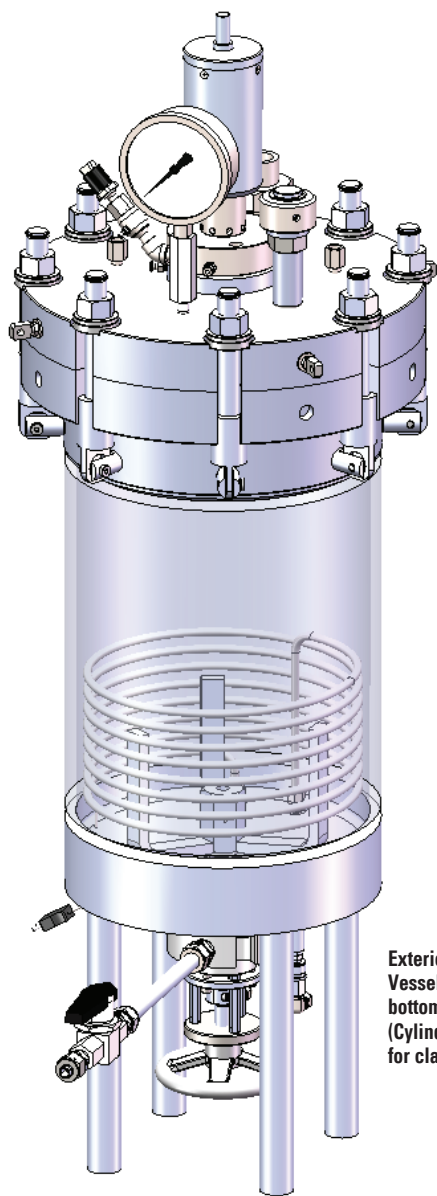
- PID temperature control with ramp and soak programming
- Variable speed motor and gear drive
- Three zone band heater or welded jacket
- Hoist for reactor head (manual or electric options)
- Bottom drain valve (actuated or manual options)
- Control thermocouple
- Standard head fittings & internals include:
  - FKM O-ring head seal
  - Extra heavy duty magnetic drive
  - Stir shaft and stirrer assembly
  - Safety rupture disc assembly
  - Pressure gage with optional pressure relief valve
  - Gas inlet and release needle valves
  - External solids charge assembly
  - Spiral cooling coil



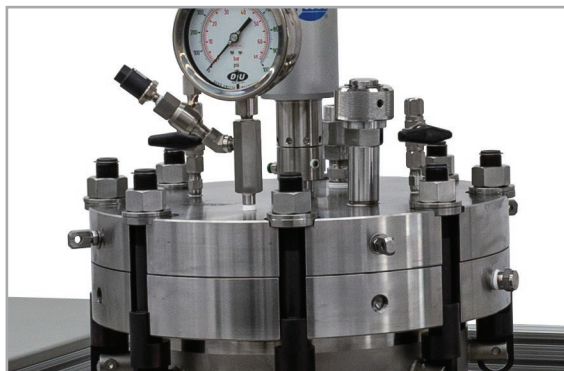
100 L Stirred Reactor System shown with head "parked" on the stand.

100 L Stirred Reactor System

## Series 8500 Stirred Reactor Systems



Exterior View of 50 L Vessel with manual bottom drain valve. (Cylinder transparent for clarity)



Closure with 8 Bolts



View of Stirrer and Spiral Cooling Coil



View of Stir Shaft and Upper Coupling

### Series 8500 Floor Stand Reactor System Specifications

System Volume	50 L	100 L
Maximum Pressure (MAWP)	725 psi (50 bar)	
Maximum Temperature	200 °C	
Electrical Supply	230V, 1P or 400-415V 3-Phase "WYE", 8 kW	400-415V 3-Phase "WYE", 10 kW
Cylinder / Head Weight, T316SS	350 / 175 lbs (160 / 80 kg)	575 / 275 lbs (260 / 125 kg)
Cylinder Dimensions, I.D. x Depth	13 x 24 in (33 x 61 cm)	16 x 32 in (40 x 81 cm)
Stand Dimensions, Height x Width x Depth	120 x 90 x 40 in (3.1 x 2.3 x 1.0 m)	



Parr Instrument Company

Let Us Build One for You.

211 Fifty Third Street Moline, Illinois 61265-1770  
 1-800-872-7720 | 1-309-762-7716 | parr@parrinst.com | www.parrinst.com