



50 L & 100 L Stirred Reactor Systems

725 psi (50 bar), 200 °C

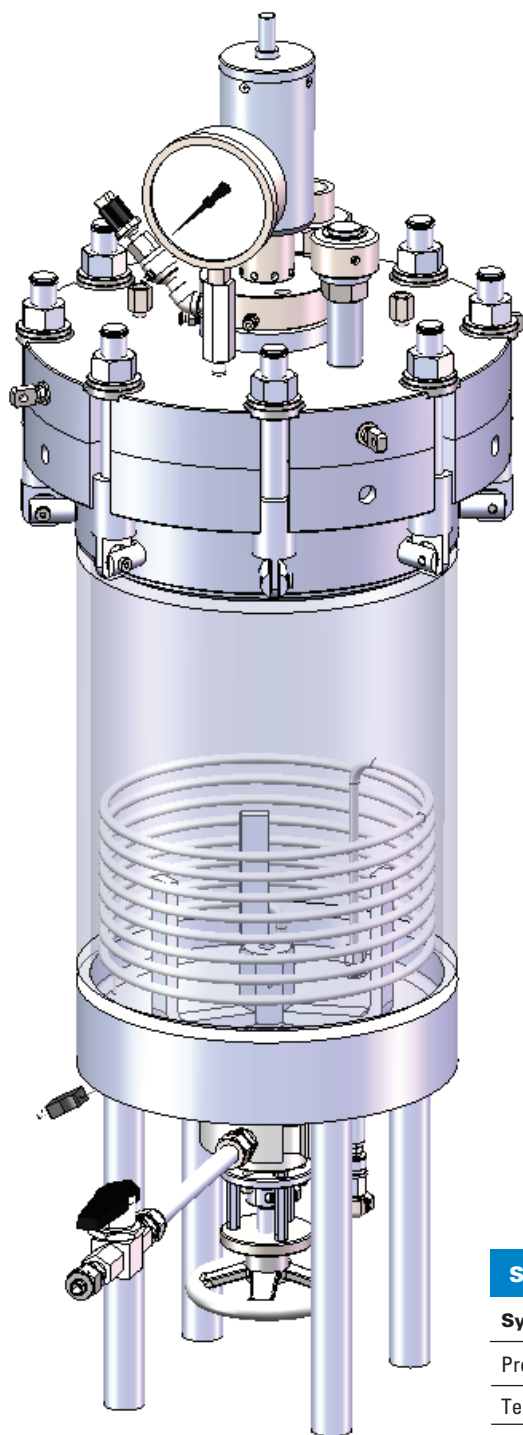
Features include

- 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



50 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 |
|---|------------------|---------------|
| Pressure Rating | 725 psi (50 bar) | |
| Temperature Rating | 200 °C | |
| Power Requirements | 230V, 40 AMP | |
| Cylinder / Head Weight (T316 SS) | 350 / 175 lbs | 575 / 275 lbs |
| Cylinder Dimensions (I.D. x Depth), inches | 13 x 24 | 16 x 32 |
| Stand Dimensions (Height x Width x Depth), inches | 90 x 90 x 28 | |



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