

Series 4540 Pressure Reactor System Specifications

Shaded bar indicates specifications that change within series.

Model No. - Moveable Vessel	4544	4546	4544A	4546A	4544C	4546C
Model No. - Fixed Head	4545	4547	4545A	4547A		
Sizes, mL	600	1200	600	1200	600	1200
Maximum Pressure (MAWP)	5000 psi (345 bar)					
Maximum Temperature						
with PTFE Flat Gasket	350 °C					
Vessel Details						
Reactor Mounting	Bench Top		Floor Stand		Moveable Cart	
Closure	Split-Ring (8 Cap Screws)					
Valve Connections	1/4" Male NPT					
Magnetic Stirrer, Model No.	A1120HC6					
Maximum Torque	16 Inch-Pounds					
Impeller(s), 6-Blade	2 (1.75" dia.)					
Pressure Gage, Size	4.5 inches					
Range	5,000 psi (345 bar)					
Temperature Measurement	Thermowell					
Cooling Coil	Optional					
Style	Serpentine					
Bottom Drain Valve	A177VB 1" NPS					
Heater Style	Calrod					
Heater Power, Watts	1000	1500	1000	1500	1000	1500
Stirrer Motor, hp	1/8	1/8	1/8	1/8	1/4	1/4
Electrical Supply						
Volts, AC	115 or 230					
Maximum Load, amps, 115 / 230	14 / 7					
Vessel Dimensions						
Inside Diameter, inches	3.25					
Inside Depth, inches	4.7	9.8	4.7	9.8	4.7	9.8
Weight of Vessel, pounds	51	57	51	57	51	57
Reactor Dimensions						
Width, inches	16.5		20.5		35	
Depth, inches	23.5		27.5		18	
Height, inches	45.5		56.2		50	
Weight, pounds	125	135	175	185	175	185
Spare Parts Kit	4549MA		4549MB		4549MB	

Other options available. See Ordering Guide, visit www.parrinst.com, or call for more information.