

Series 4530 Pressure Reactor System Specifications

Shaded bar indicates specifications that change within series.

Model Number	4531	4532	4533	4534	4535	4536
Sizes, mL	1000	2000	1000	2000	1000	2000
Sizes for HP Models, mL	970	1900	970	1900	970	1900
Maximum Pressure (MAWP)	1900 psi (131 bar)					
HP Maximum Pressure (MAWP)	2900 psi (200 bar)					
Maximum Temperature						
with FKM O-ring	225 °C					
with FFKM O-ring	275 °C					
with PTFE Flat Gasket	350 °C					
Vessel Style	Moveable		Fixed Head		Moveable	
Reactor Mounting	Cart		Floor Stand		Floor Stand	
Closure	Split-Ring (6 Cap Screws)					
High Pressure Closure	Split-Ring (12 Cap Screws)					
Valve Connections	1/8" Male NPT					
Magnetic Stirrer, Model No.	A1120HC					
Maximum Torque	16 Inch-Pounds					
Impeller(s), 6-Blade	2 (2.28" dia.)					
Pressure Gage, Size	4.5 inches					
Range	0-2000 psi (140 bar)					
Temperature Measurement	Thermowell					
Cooling Coil	Optional					
Style	Serpentine or Spiral					
Bottom Drain Valve	A465VB 3/8" NPT (Not available on HP Version)					
Heater Style	Calrod					
Heater Power, Watts	1500		1000	1500	1000	1500
Stirrer Motor	1/4 hp Variable Speed					
Electrical Supply						
Volts, AC	115 or 230					
Maximum Load, amps, 115 / 230	14 / 7					
Vessel Dimensions						
Inside Diameter, inches	4.0					
High Pressure Inside Diameter, inches	3.75					
Inside Depth, inches	5.4	10.5	5.4	10.5	5.4	10.5
Weight of Vessel, pounds	28	32	32	36	28	32
Reactor Dimensions						
Width, inches w/o Controller	35		21		21	
Depth, inches	18		28		28	
Height, inches	50		62		62	
Weight, pounds	200	215	225	240	225	240
Spare Parts Kit	4539M (General Purpose) or 4539MA (Heavy Duty)					

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