



5 ltr Pressure Vessel

Model	P2513	P2523	P2533	P2515	P2525	P2535
Design pressure	100 bar	200 bar	350 bar	100 bar	200 bar	350 bar
Design temperature	300°C			500°C		
Material of Construction	SS316, SS316L, Hastelloy B/C, Inconel, Monel, Nickel, Titanium, Zirconium					
Vessel ID	149 mm	134 mm		149 mm	134 mm	
Vessel internal height	310 mm	360 mm		310 mm	360 mm	
Head mounting style	Removable head and vessel design					
Heating ¹	External electrical ceramic band heater with cladding & insulation.					
External fittings	<ul style="list-style-type: none"> Pressure gauge with vacuum protection Safety rupture disc (Inconel) with vacuum protection Gas inlet & liquid sampling valve mounted on common dip tube Vent needle valve Flush Bottom Valve Note: All needle valves shall be ¼" NPT end connections					
Internal fittings	<ul style="list-style-type: none"> Helical Cooling coil Thermowell (with RTD PT100 temperature sensor) Dip tube 					
Gasket	PTFE Gasket			Spiral wound Grafoil Gasket		
Closure Type	Split clamp with clamp bolts					
Control Panel	SS Control panel with programmable P.I.D temperature controller with high temperature alarm					
Mounting	SS Trolley					
Auto Cooling System	Auto cooling system with water pump, for forced cooling SS tank & hose pipes for exothermic reactions & faster cooling.					

Note:

1- Cascade temperature controller shall be provided for 500°C