



10 Itr Pressure Vessel

Model	P3113	P3123	P3133	P3115	P3125	P3135
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	185 mm					
Vessel internal height	400 mm					
Head mounting style	Removable head and vessel design					
Heating ¹	External electrical ceramic band heater with cladding & insulation. ¹					
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 • ¾" ball valve for powder / liquid inlet with funnel, • Flush bottom valve 15mm dia. 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 • Removable Baffles 					
Gasket	PTFE Gasket			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					
Power Supply	3φ, 416VAC 50 Hz					
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