



## 25 ltr Pressure Vessel

Model	P3313	P3323	P3315	P3325
Design pressure	100 bar	200 bar	100 bar	200 bar
Design temperature	300°C		500°C	
Material of Construction	SS316, SS316L, Hastelloy B/C, Inconel, Monel, Nickel, Titanium, Zirconium			
Vessel ID	243 mm			
Vessel internal height	595 mm			
Head mounting style	Removable head and vessel design			
Heating <sup>1</sup>	External electrical ceramic band heater with cladding & insulation. <sup>1</sup>			
External fittings	<ul style="list-style-type: none"> <li>• Pressure gauge with vacuum protection</li> <li>• Safety rupture disc (Inconel) with vacuum protection</li> <li>• Gas inlet &amp; liquid sampling valve mounted on common dip tube</li> <li>• Vent needle valve</li> <li>• ¾" ball valve for powder / liquid inlet with funnel,</li> <li>• Flush bottom valve 15mm dia.</li> </ul> Note: All needle valves shall be ¼" NPT end connections			
Internal fittings	<ul style="list-style-type: none"> <li>• Helical Cooling coil</li> <li>• Thermowell (with RTD PT100 temperature sensor)</li> <li>• Dip tube</li> </ul>			
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, 415VAC 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