



2 ltr Pressure Vessel

Model	P2413	P2423	P2433	P2415	P2425	P2435
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	101.6mm	94 mm	90 mm	101.6 mm	94 mm	90 mm
Vessel internal height	303 mm		315 mm	303 mm		315 mm
Head mounting style	Removable head and vessel design					
Heating ¹	External electrical ceramic band heater with RTD PT100 temperature sensor, 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 Note: All needle valves shall be ¼" NPT end connections					
Internal fittings	<ul style="list-style-type: none"> Helical Cooling coil² Thermowell (with RTD PT100 temperature sensor) Dip tube 					
Gasket	PTFE Gasket			Grafoil Gasket		
Control Panel	SS Control panel with programmable P.I.D temperature controller with high temperature alarm					
Closure Type	Split clamp with clamp bolts					
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.

2 - Serpentine cooling coil shall be provided for 200 bar and 350 bar models