



# 750 ml Pressure Vessel

Model	P2213	P2223	P2233	P2215	P2225	P2235
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	75 mm		74 mm	75 mm		74 mm
Vessel internal height	193 mm					
Head mounting style	Removable head and vessel design					
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> </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					
Mounting	SS Tabletop					

## Optional Attachment<sup>2</sup>

Heating <sup>1</sup>	External electrical ceramic band heater with RTD PT100 temperature sensor, cladding & insulation.
Auto-Cooling	Solenoid Valve at the inlet of internal cooling coil
Control Panel	SS Control panel with, <ul style="list-style-type: none"> <li>Programmable P.I.D temperature controller with high temperature alarm</li> </ul>
Mounting	SS Trolley instead of SS tabletop

Note:

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

2 -Optional attachments can be provided on request.