5 Itr Pressure Vessel





5 Itr 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'	External electrical ceramic band heater with cladding & insulation.								
External fittings	 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	 Helical Cooling coil Thermowell (with RTD PT100 temperature sensor) Dip tube 								
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								
Mounting	SS Trolley								
Auto Cooling System	Auto cooling system with water pump, for forced cooling SS tank & hose pipes for exothermic reactions & faster cooling.								

Enquiry guide for customized 5 ltr models



Enquiry code model is Standard Model no-B-C-D-F-H-I-J-K where B, C, D, F, H, I, J, K options can be selected from the below tables. The below options will be in place of standard supply.

Options

optiono									
B Material of Construction									
Hastelloy C276	H6		Inconel 625		16				
Hastelloy C 22	H2	H2 Nickel 200		N2					
Hastelloy B	HB		Titanium Gr. 2		T2				
Monel 400	M4		Zirconium 702		ZI				
Inconel 600	10		Tantalum lined		TN				
C Head Mounting Style									
Fixed head with pneumatic vessel raising	Р								
Fixed head with pneumatic vessel raising lowering & tilting					PT				
D Heating Style									
Electrical Ex-Proof, IIB + H ₂ certified	EA								
Welded SS 304 jacket with insulation					JS				
Electric Ceramic band heater	EC								
F Valves & Fittings									
Ball valve powder inlet	CS								
Flush bottom valve	CT								
H Body & Head Sealing									
Split clamp bolt design	BVP								
I Control Panel									
SS Control panel with programmable PID	STD								
Ex-Proof gas group IIC zone 1 certified	F2C								
Touch Screen	TSP								
K Certifications**									
CE-PED 2014 / 68 / EU for pressure vessels	PED								
or ASME U stamp for Pressure Vessels	ASU								
CE marked panel & electric parts	ECE								
or UL / CSA marked panel & electrical parts	USC								
ATEX certified electricals	ATP								
ATEX certified system as per 2014 / 34 / EL	ATM								

Note:

Customer is advised to select best suited options for most optimized price & delivery.

- Customization of volume, material, pressure, temperature etc. may be possible on request
- *4*) Different power supply options may be possible on request.
- 5) Overall dimensions are indicative, they may change depending on the optional accessories or specific accessories of specifi Overall dimensions are indicative, they may change depending on the optional accessories or specific design modifications opted.

¹⁾ 2) 3) All above options may not be available / possible with all models.