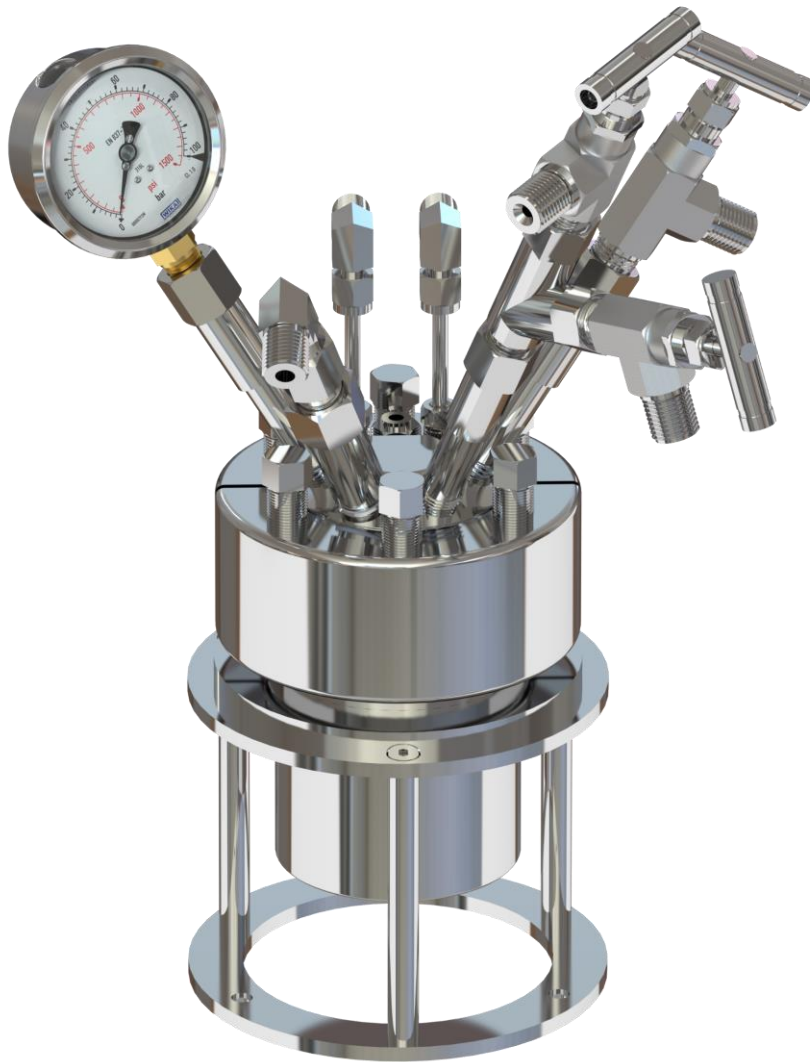


250 ml Pressure Vessel





250 ml Pressure Vessel

Model	P1413	P1423	P1433	P1415	P1425	P1435
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	65 mm		62 mm		65 mm	62 mm
Vessel internal height	80 mm					
Head mounting style	Removable head and vessel design					
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"> Serpentine Cooling coil Thermowell Dip tube 					
Gasket	PTFE Gasket			Grafoil Gasket		
Closure Type	Split clamp with clamp bolts					
Mounting	SS Tabletop					

Optional Attachment²

Heating ¹	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 programmable P.I.D temperature controller with high temperature alarm

Note:

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

2 - Optional attachments can be provided on request.



Enquiry guide for customized 250 ml 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

B Material of Construction			
Hastelloy C276	H6	Inconel 625	I6
Hastelloy C 22	H2	Nickel 200	N2
Hastelloy B	HB	Titanium Gr. 2	T2
Monel 400	M4	Zirconium 702	ZI
Inconel 600	I0	Tantalum lined	TN

C Head Mounting Style	
Fixed head with manual vessel raising lowering	K

D Heating Style	
Electrical Ex-Proof, IIB + H ₂ certified	EA
Welded SS 304 jacket with insulation	JS
Electric Ceramic band heater	EC

H Body & Head Sealing	
Split clamp bolt design	CS
Threaded Sealing	CT

I Control Panel	
SS Control panel with programmable PID temperature controller & high temperature alarm	STD
Ex-Proof gas group IIC zone I certified	F2C
Touch Screen	TSP

J Mounting & Overall Dimensions (W x D x H)		
Trolley	1010 x 410 x 850	TL

K Certifications**	
CE-PED 2014 / 68 / EU for pressure vessels or ASME U stamp for Pressure Vessels	PED ASU
CE marked panel & electric parts or UL / CSA marked panel & electrical parts	ECE USC
ATEX certified electricals	ATP
ATEX certified system as per 2014 / 34 / EU	ATM

Note:

- 1) Customer is advised to select best suited options for most optimized price & delivery.
- 2) All above options may not be available / possible with all models.
- 3) 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 design modifications opted.

**Country specific certification like CRN for Canada, AS1210 for Australia & DOSH for Malaysia can be offered on request