1 ltr Glass Autoclave

Model	GE 2360	GJ2372
Design pressure	6 bar	10 bar
Design temperature	150°C	200°C
Material of Construction	Glass Body with SS316 / Hastelloy C276 wetted parts	
Vessel ID	101.6 mm	
Vessel internal height	163 mm	
Minimum Stirrable volume	60 ml	
Head mounting style	Removable head and vessel design	
Heating	Electric heater on bottom flange	Jacket
Motor & drive	¼ hp motor with 100-1450 RPM	
Shaft sealing	Zero leakage Magnetic drive coupling, (M-40, Torque Capacity: 40 kg-cm) Material of Bush- carbon filled PTFE (CFT)	
Stirrer	2 Stage Solid Shaft with 6-bladed turbine stirrer	
External fittings[1]	• Pressure gauge with vacuum protection • Pressure Relief Valve • Gas inlet & liquid sampling valve mounted on common dip tube • Vent needle valve Note: All needle valves shall be ¼" NPT end connections	• Pressure gauge with vacuum protection • Pressure Relief Valve • 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	• Thermowell (with RTD PT100 temperature sensor) • Dip tube
Gasket	PTFE Gasket	Kalrez / Viton O ring
Closure Type	Split clamp with clamp bolts	
Control Panel	SS Control panel with, • Temperature indicator with high temperature alarm • Variable frequency drive for motor speed control	
Power Supply	1φ, 220VAC 50 Hz	
Mounting	SS Tabletop	
Safeguard	Polycarbonate guard around the body	

Enquiry guide for customized 500 ml models

Enquiry code model is **Standard Model no-A-B-C-D1-D2-E-F-G-H-I** where A, B, C, D1, D2, E, F, G, H, I options can be selected from the below tables. The below options will be in place of standard supply.

Options

A	Material of Construction		
PEEK	PEK	Nickel 200	NK2
Hastelloy C276	HC6	Titanium Gr. 2	TI2
Hastelloy B	HB	Zirconium 702	ZR7
Monel 400	MN4	Tantalum	ZR7
Inconel 600	IN6	Tantalum lined	TNL

B	Head Mounting Style
Fixed head with pneumatic vessel raising lowering	P
Fixed head with pneumatic vessel raising lowering & tilting	PT

C	Heating Style*
Jacketed glass vessel (up to 200°C)	EJ
Triple walled double jacket glass vessel for heating & vacuum insulation (up to 200°C)	ET

D1	RPM
Up to 3000 rpm	RT
Gear box up to 440 rpm	R4

D2	Motor Type
¼ hp Ex-Proof gas group IIC (Zone 1)	XC
¼ hp Ex-Proof CE ATEX certified II 2G Ex de IIC T4	AZ
¼ hp Ex-Proof CE ATEX certified Class 1 Div 2 group A, B, C, D	CD

E	Stirrer Options**
Hollow shaft with gas induction impeller	SH
Anchor (Serpentine cooling coil, max 100 rpm)	SA
Spiral (No cooling coil, max 100 rpm)	SS

F	Valves & Fittings***
Serpentine cooling coil	SCC
Ball valve powder inlet (¼ ") with funnel	BVP
Flush bottom valve (10mm)	FBV
Baffle (with serpentine cooling coil)	BFL

G	Control Panel
Touch Screen	TSP

H	Mounting & Overall Dimensions (W x D x H)	
Mounting	Autoclave with control panel approx. dia (W x D x H) in mm	Code
Trolley	1040 x 410 x 1660	TL

I	Interchangeable Metal Autoclave
Interchangeable metal vessel of same volume up to 100 bar & 250°C	IM

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.

**Internal cooling coil & PID temperature controller will be removed for jacketed options.*
***Stirrers can be in place of standard or can be offered additionally as interchangeable stirrers.*
****All options in F are add-ons & can be inquired in single enquiry.*