Hydrothermal Reactor

Hydrothermal Synthesis Autoclave Reactor with PTFE Lined Vessel
The Hydrothermal Autoclave reactor is used to carry hydrothermal reaction at high pressure and high temperatures.

Technical Details

Size	25ml, 50ml, 100ml, 150ml, 200ml, 300ml, 500ml (customize size available
Reactor Sealing Type	Screw Sealing, Flange Sealing
Safe Temperature	200°C
Max Operating Temperature	230°C
Working Pressure	? 3MPa
Heating and Cooling Rate	?5°C/min
Outer Shell Material	Stainless steel (SS-304)
Inner Shell Material	Teflon or PTFE
Pressure Gauge	No

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Description

The Hydrothermal Autoclave reactor is used to carry hydrothermal reaction at high pressure and high temperatures. The reactor is mainly made up of two parts; outer high-quality stainless steel jacket and inner Teflon liner or chamber.

Specifications:

? Material: Reactor Shell made of high-quality nonmagnetic 304 stainless steel (316SS can be made on special re
quest)
? Material -Liner: PTFE (Poly Tetra Fluoroethylene: Highly chemically resistant. Resistant to Acid and Alkali, and v
arious organic solvents)
? Parts: Reactor Body, Reactor Lid, Bottom Pad, Top Pad, Liner, Liner Lid
? Maximum operating temperature: ?230°C
? Safe operating temperature: – 200°C
? Working Pressure: ?3MPa or 30 Bar
? Recommended Heating and Cooling Rate: ?5°C/min
? Easy to handle
? Can be customized
? Cost effective

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