

# Hydrothermal synthesis reactor

**PTFE Liner**



**PPL Liner**



## PTFE Liner (220 °C)

Model	Material	Capacity	Remark
TOPT-HT10	1. Shell made of quality stainless steel.304L  2. Liner materials is special PTFE.	10ml	1. Safe temperature is 220°C.
TOPT-HT25		25ml	
TOPT-HT30		30ml	
TOPT-HT50		50ml	
TOPT-HT100		100ml	2. Working pressure ≤3 Mpa (surface pressure).
TOPT-HT150		150ml	
TOPT-HT200		200ml	3. Tempe heating and cooling speed: ≤ 5°C/ min.
TOPT-HT250		250ml	
TOPT-HT300		300ml	
TOPT-HT400		400ml	
TOPT-HT500		500ml	4. Break down the refractory material quickly.
TOPT-HT1000		1000ml	
TOPT-HT1500		1500ml	
TOPT-HT2000		2000ml	

## PPL Liner (280 °C)

Model	Material	Capacity	Remark
TOPT-HP10	1. Shell made of quality stainless steel.304L  2. Liner materials is special PPL.	10ml	1. Safe temperature is 280°C.
TOPT-HP25		25ml	
TOPT-HP30		30ml	
TOPT-HP50		50ml	
TOPT-HP100		100ml	2. Working pressure ≤3 Mpa (surface pressure).
TOPT-HP150		150ml	
TOPT-HP200		200ml	3. Tempe heating and cooling speed: ≤ 5°C/ min.
TOPT-HP250		250ml	
TOPT-HP300		300ml	
TOPT-HP400		400ml	
TOPT-HP500		500ml	4. Break down the refractory material quickly.
TOPT-HP1000		1000ml	
TOPT-HP1500		1500ml	
TOPT-HP2000		2000ml	

**Pls note: Shell can be made of SS316L or copper**

Customization of copper material hydrothermal synthesis reactor is provided



Rotary Evaporator

Scraped Film Evaporator / Short Path (Molecular) Distillation System

Chemical Glass Reactor

High Sheat Homogen-ous Emulsification Reactor

Pilot Ultrasonic Emulsification Reactor

Vacuum Filter / Glass Liquid Separator

Photochemical Glass Reactor

Hydrothermal Synthesis Reactor

High Pressure Reactor