

# CFDPLAS® Hydrothermal Synthesis Reactor

**CFDPLAS®** Hydrothermal Synthesis Reactor, made from SUS-304 or SUS-316 with PTFE liner & PTFE cap (or PPL Liner and PPL cap), vessel capacity from 25ml to 1000ml, customized available.

It's helpful in dissolving samples in the determination of trace elements.

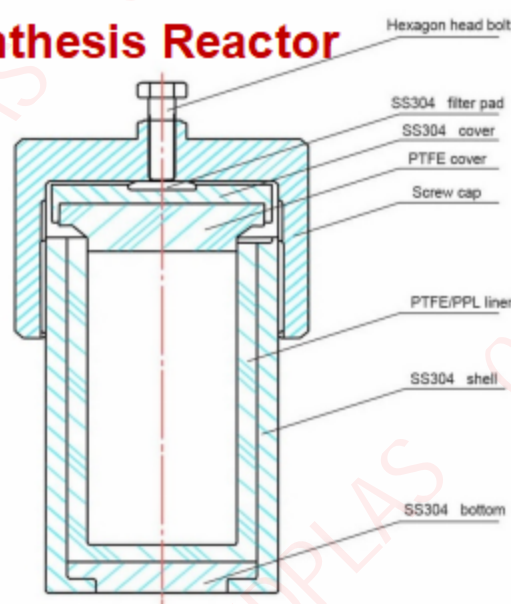
Hydrothermal synthesis reactor, also known as digestion pressure melting bombs, hydrothermal synthesis autoclave reactor, high temperature and pressure digestion vessels, PTFE high-pressure tank is in a certain temperature and pressure conditions, certain synthetic chemicals supplied reactor.

## Features:

- ❑ 25 ml to 1000 ml net filling volume for reactor vessels
- ❑ Design pressures up to 200 bar and temperatures up to 250°C
- ❑ Acid digestion vessels made from SUS-304 or SUS-316 with PTFE/PPL liner & PTFE/PPL cap
- ❑ Non-metallic microwaveable Acid digestion bombs

## Application:

It can be used for sample dissolution pretreatment in analysis like atomic absorption spectroscopy and plasma emission. also be used for synthesis of small doses. Used for dissolving or digesting inorganic or organic samples in strong acid and alkali, high temperature and pressure confined environment available. It can be used in the digestion of lead, copper, cadmium, zinc, calcium, manganese, iron, mercury and other heavy metals. Biological Laboratory, Endodontics, Pathology, Physical Medicine & Rehabilitation. It is widely used new materials, energy, environmental engineering and other fields of scientific research and experiments, is university teaching, scientific research units commonly used small reactors..



Reactor Model No.	Volume (ml)	Diameter (mm)	Height (mm)	Liner	Remarks
CFD-HSR-0025	25	54	120	PTFE/PPL	Outer Vessel/Pressure
CFD-HSR-0050	50	65	140	PTFE/PPL	SUS304, 3 Mpa
CFD-HSR-0100	100	75	155	PTFE/PPL	SUS304, 3 Mpa
CFD-HSR-0150	150	97	190	PTFE/PPL	SUS304, 3 Mpa
CFD-HSR-0200	200	107	210	PTFE/PPL	SUS304, 3 Mpa
CFD-HSR-0250	250	110	210	PTFE/PPL	SUS304, 3 Mpa
CFD-HSR-0500	500	135	215	PTFE/PPL	SUS304, 3 Mpa
CFD-HSR-1000	1000	210	260	PTFE/PPL	SUS304, 3 Mpa

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