



KINTEK SOLUTION

High Pressure Reactor Catalog

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KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



Stainless High Pressure Reactor

Item Number: RE-1H



Introduction

Discover the versatility of Stainless High Pressure Reactor - a safe and reliable solution for direct and indirect heating. Built with stainless steel, it can withstand high temperatures and pressures. Learn more now.

[Learn More](#)

	Static Seal-No Leakage	Reaction vessel stationary ring and stationary ring base create the perfect seal with no need for o-rings, according to their structural features, contact stress increased with increasing working pressure, sealing performance is better under the high pressure.
	Safety Valve-Safe and Sellable	The reaction kettle equipped with safety valve, that adopted blasting diaphragm, blasting numerical error is small, instantly exhaust gas fast, safe and reliable. Each valve adopts needle valve, reciprocating closed form, seal is reliable and durable. All safety valves with resonable installation and releasing unblocked.
	Pressure Gauges-Seisnic Stability	Seismic pressure gauges for the environment places severe vibration, the pulse of media tolerance, and the impact of a sudden unloading, gauges clea instructions and stability, with good vibration resistance.

Model	KRS-1	KRS-2	KRS-3	KRS-5	KRS-10	KRS-30
Reactor volume	1L	2L	3L	5L	10-20L	30-50L
Working pressure	≤22Mpa					
Temperature range	≤350°C					
Heating method	Electric heating					
Heating power	2Kw	2Kw	2.5Kw	4Kw	6Kw	9Kw
Stirring power	80W	123W		185W	270W	
Stirring speed	10-800RPM			10-500RPM		
Controller	PID temperature and speed control with digital display					
Reactor material	SS304/316L					
Lifting method	Manual/electric					
Liner material	Optional PTFE liner					
Jacket	Optional double layer jacket					

Hydrothermal Synthesis Reactor

Item Number: KR-3H



Introduction

Discover the applications of Hydrothermal Synthesis Reactor - a small, corrosion-resistant reactor for chemical labs. Achieve rapid digestion of insoluble substances in a safe and reliable way. Learn more now.

[Learn More](#)

Model	50ml	100ml	150ml	200ml	250ml	300ml	400ml	500ml
Reactor material	304/316L Stainless Steel							
Reactor inner size(mm)	Ø40*86	Ø49*105	Ø58*125	Ø63*145	Ø65*145	Ø71*147	Ø81*148	Ø91*148
Reactor outer size(mm)	Ø53*93	Ø63*113	Ø78*135	Ø83*155	Ø83*155	Ø91*157	Ø103*162	Ø117*162
Liner material	PTFE/PPL							
Liner inner size(mm)	Ø30*69	Ø39*84	Ø45*99	Ø47*118	Ø52*121	Ø56*124	Ø65*122	Ø75*121
Liner outer size(mm)	Ø40*78	Ø49*95	Ø58*114	Ø63*115	Ø65*135	Ø71*137	Ø81*137	Ø91*17
Rod size(mm)	Ø8*200							
Overall size(mm)	65*139	75*160	97*185	107*205	107*205	110*210	120*215	135*215
Overall weight(Kg)	1.65	2.4	4.8	6.1	6.1	6.7	8.1	10.6

Explosive Proof Hydrothermal Synthesis Reactor

Item Number: KR-2H



Introduction

Enhance your lab reactions with Explosive Proof Hydrothermal Synthesis Reactor. Corrosion-resistant, safe, and reliable. Order now for faster analysis!

[Learn More](#)

Model	50ml	100ml	150ml	200ml	250ml	300ml	400ml	500ml
Reactor material	304/316L Stainless Steel							
Reactor inner size(mm)	Ø40*86	Ø49*105	Ø58*125	Ø63*145	Ø65*145	Ø71*147	Ø81*148	Ø91*148
Reactor outer size(mm)	Ø53*93	Ø63*113	Ø78*135	Ø83*155	Ø83*155	Ø91*157	Ø103*162	Ø117*162
Liner material	PTFE/PPL							
Liner inner size(mm)	Ø30*69	Ø39*84	Ø45*99	Ø47*118	Ø52*121	Ø56*124	Ø65*122	Ø75*121
Liner outer size(mm)	Ø40*78	Ø49*95	Ø58*114	Ø63*115	Ø65*135	Ø71*137	Ø81*137	Ø91*17
Rod size(mm)	Ø8*200							
Overall size(mm)	65*139	75*160	97*185	107*205	107*205	110*210	120*215	135*215
Overall weight(Kg)	1.65	2.4	4.8	6.1	6.1	6.7	8.1	10.6

Mini Ss High Pressure Reactor

Item Number: KV-3H



Introduction

Mini SS High Pressure Reactor - Ideal for medicine, chemical, and scientific research industries. Programmed heating temp and stirring speed, up to 22Mpa pressure.

[Learn More](#)

Model	25ml	50ml	100ml	300ml	500ml
Reactor material	304/316L Stainless Steel				
Work temperature	260°C				
Max.work pressure	22Mpa				
Heating method	Modular heating mantle				
Heatint power	600W		800W		
Stirring method	Magnetic stirring/Machanical magneron coupling stirring				
Fitting	Inlet/outlet valves, pressre gauge,thermometer				



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