# Stainless High Pressure Autoclave Reactor Laboratory 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

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| | | 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℃ | | | | | |
| 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 | | | | | |