

Visual High-Pressure Reactor For In-Situ Observation

Item Number: KT-VHPR



Introduction

The visual high-pressure reactor uses transparent sapphire or quartz glass, maintaining high strength and optical clarity under extreme conditions for real-time reaction observation.

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Model	KTNKS (Capacity 0.1L-5L)
Temperature Range	Room Temp ~ 300°C (Customizable)
Pressure Range	0-10 MPa (Customizable)
Speed Range	0-2000 r/min
Temp. Control Accuracy	±1-2°C
Glass Material	Quartz Glass / Sapphire Glass (≤6 MPa)
Explosion-proof Device	13 MPa ± 0.3 MPa (Rupture Disc Self-relief)
Stainless Steel Material	SUS304L Stainless Steel (Optional)
Stirring Method	Magnetic Stirring
Lid Seal	Threaded Flange
Heating Method	Electric Heating Mantle (Module heating optional)
Temp. Control Method	PID Control (Optional: Programmable control, Touch screen, Data logging)
Optional Functions	Pressure sensor / Sampling tube / Filtration sampling, etc.
Valve	3mm Two-way Needle Valve * 2 pcs
Thermowell	Sealed bottom SUS304L Stainless Steel, Pore size 3.3mm