

High Pressure Reactor



Application:

The autoclave is a stirring device for reacting gas-liquid, liquid-liquid, liquid-solid or gas-liquid-solid materials. It can fully stir and react various chemical materials under higher pressure, vacuum and temperature. It is a non-leakage reaction equipment for vulcanization and hydrogenation in petroleum, chemical, organic synthesis, polymer material polymerization, food and other processes.

Features:

- * Real-time monitoring of reaction pressure in the kettle.
- * High power agitator motor, strong and stable performance.
- * Using static sealing structure, the stirrer and the motor drive are connected by a magnetic coupling.
- * The medium and mixing parts are completely sealed to work.

Technical Parameters:

Model	HPR-0.1L	HPR-0.25L	HPR-0.5L	HPR-1L	HPR-2L	HPR-3L	HPR-5L	HPR-10L	HPR-20L	HPR-50L	HPR-100L
Capacity(L)	0.1	0.25	0.5	1	2	3	5	10	20	50	100
Pressure(Mpa)	22									10	6
Temp(°C)	350									300	
Stirring Speed(r/min)	50-1000						50-600				
Material	SS304/SS316/Hastelloy alloy										
Heating Power(Kw)	0.1	0.8	1.5		2	2.5	4	7	10	12	14
Power Supply	220V, 50/60Hz										
Package Size(mm)	670*470*140			720*420 *1310	510*740 *1620	770*520 *1580	840*590 *1650	870*620 *1470	920*670 *1380	980*800 *1570	990*840 *1730
Gross Weight(Kg)	100			101	150	170	196	218	280	480	680

High Temperature Thermostatic Circulating Oil/Water Bath

Features:

- * The structure is compact and reasonable, the stainless steel inner tank and the outer shell are made of high-quality steel plate electrostatic spraying.
- * Easy to use and simple to operate.
- * Accurate temperature control, controllable output flow, energy saving.
- * The outer circulation interface adopts high-quality copper material, which is anti-corrosion and corrosion-resistant and durable.



Technical Parameters:

Model	OB-5L	OB-10L	OB-20L	OB-30L	OB-50L	OB-100L
Liquid Storage Volume(L)	5	10	20	30	50	100
No-load Max Temperature(°C)	200					
Heating Power(kw)	2	2.8	3.5	4	5	9
Pressure	1.45MPa					
Cycle Way	Sealed magnetic pump cycles					
Flow Rate(L/min)	15-20		20-25			
Temperature Control Range(°C)	Water Bath: RT-100; Oil Bath: RT-200					
Temperature Error	≤2.50%					
HTF Viscosity(c°Cst)	Below 500					
Optional Parts	Explosion-proof motor and electricals					
No. of Heating Tube(pc)	1		2		3	
Power Supply	AC220V, 50/60Hz (Standard) (Plug or air switch); AC 110V, 60Hz (Optional); Air switch	AC220V, 50/60Hz(Standard); AC110V, 60Hz(Optional); Air switch			AC380V, 50/60Hz (Standard); AC220V, 50Hz (Optional); Air switch	AC380V, 50/60Hz; Air switch
Packing Size(mm)	530*460*800	580*480*740	530*440*870	550*680*850	670*570*910	740*640*1040
Gross Weight(kg)	36	38	42	48	52	63