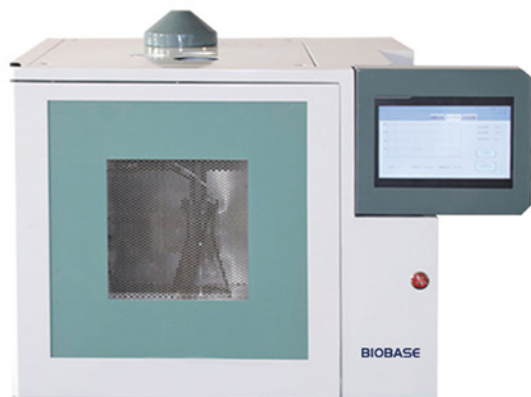


Intelligent microwave synthesis / extraction system



Introduction:

The intelligent microwave synthesis/extraction system can catalyze many types of organic, pharmaceutical and biochemical reactions such as addition, substitution, esterification, hydrolysis, acylation, polymerization, condensation, cyclization and oxidation, as well as solvent extraction of food, natural products and minerals.

Features:

- * Accurate temperature control, 8-inch display, touch control, simple and convenient operation, can store data.
- * Real-time online display and recording of reaction data and curve images.
- * The program controls the reaction conditions and the experiment can be divided into multiple working phases.
- * The parameters of unsuitable reaction conditions can be modified online at any time.
- * It has the function to save and query experimental records.

Technical Parameters:

Model	BMS-WHC1
Reaction Volume	10~1500ml
Microwave Reaction Chamber	42 liters stainless steel chamber, surface multi-layer anti-corrosion coating on the surface, corrosion resistance, high temperature resistance.
Microwave Reaction System	Open reaction system, can be installed drip funnel and condenser tube for reflux reaction, microwave leakage in line with national standards, safe and reliable.
Microwave Power	0-1000W, with 10 adjustable power levels, microwave power is controlled automatically with temperature conversion.
Control System	High precision contact platinum-plated temperature sensor, real-time monitoring of reaction temperature, accurate control of reaction process.
Working Time	Can work continuously for 8 hours.
Display	8 inch touch screen LCD display, touch operation, real-time display of closed reaction tank temperature and temperature curve, and has the function of saving and querying experimental records.
Magnetic Stirring	Provide different speeds of magnetic stirring, infinitely variable speed 0~2000 RPM; Mechanical stirring speed range: 0~2000 RPM (optional).
Temp. Range	0~300°C
Temp. Accuracy	±1°C
Temperature Control	The intelligent temperature control mathematical model algorithm ensures the accuracy of temperature control, and eliminates the phenomenon of over temperature and low temperature.
Interface	Equipped with inert gas protection interface.
Supply Power	220V, 50/60Hz; 110V, 50/60Hz(Optional)
Package Size(W*D*H)	450*500*500mm
Gross Weight	35kg