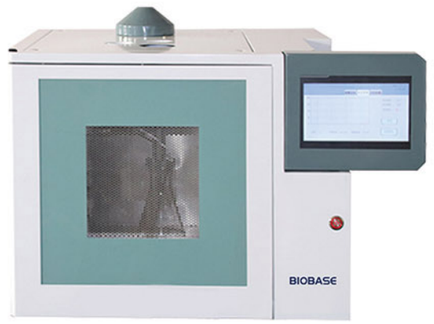
Intelligent microwave synthesis / extraction system



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℃
Temp. Accuracy	≤±1℃
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	AC220V,50/60Hz(Standard)； AC110V,50/60Hz(Optional)
Package Size(W*D*H)	550*550*600mm
Gross Weight	45kg

Solid Phase Extraction System

Introduction:

The solid phase extraction system is a negative pressure solid phase extraction device. It uses a solid adsorbent to adsorb the target compound in a liquid sample, separates it from the sample matrix and interfering compounds, and then eluates it with an eluent or heats to desorb it to achieve separation and Purpose of enrichment of target compounds (I.e. the separation, purification and enrichment of the sample), the solid phase extraction instrument aims to reduce the interference of the sample matrix and improve the detection sensitivity.

Features:

* The whole machine of 12 and 24-well square solid phase extraction instrument is made of transparent organic glass, which has strong corrosion resistance;
* The wall thickness of the vacuum tank is uniform, so it can withstand high negative pressure above -0.096Mpa, and it will not deform after long-term high-pressure use;
* The pressure is uniform everywhere, the air tightness is good, and the stability is strong;
* The extraction speed is consistent, and the control and adjustment are convenient;
* Multi-channel can be controlled independently, and the joint is corrosion-resistant;
* The internal test tube rack of the solid phase extraction instrument is made of polytetrafluoroethylene, so it has high corrosion resistance.

Technical Parameters:

Model	BK-SPE-12	BK-SPE-24
Capacity	12	24
Gas Control Mode	Independent control	
Working Zone Size (mm)	210*100*138	210*120*138
Pressure Display	Pressure gauge	
Vacuum Value	0. 098Mpa	
Flow Control Valve	12	24
Optional Accessories	GM-DP01 Vacuum pump	
Package Size (mm)	460*200*290mm	
Gross Weight (kg)	3.6	3.8