



Array Water Bath Refluxer



Green | Safety | Intelligent | Efficient

Focusing on sample processing and
laboratory environment improvement

Array Water Bath Refluxer

—Auto Water Bath Heating and Reflux, Soxhlet Extraction solution

Food, Pharma

Leaching
Hydrolysis
Saponification
Methyl
esterification



Typical Application

Sample preparation on detection of fatty acids in food, detection of starch in food, detection of Vitamin A, D, E in food, total esters in liquor.

Array water bath refluxer is an automated solution for water bath heating and reflux, soxhlet extraction experiment. It can process 6 samples at the same time, the glass condenser can automatically rise and fall, making sample replacement easier. It not only equips a heating water bath, but also a cooling water bath, which can quickly cool the processed samples to room temperature.



01

Compatible with reflux and Soxhlet extraction

AF6-SOX series products can oth easily complete the water bath heating reflux experiment, and Soxhlet extraction, which realizes two functions on one device.

02

Cooling and heating dual bath-comply with standards

AF6D,AF6DM equips a hot water bath heating from room temperature to 100 °C , and a 5 °C cooling water bath can cool the samples to room temperature within 50s.

03

Auto raise and fall-Easy for sample replacement

AF6 glass condenser can be controlled automatically rise and fall, easier sample replacement. Besides, AF6 can set it's working time. Once the time is over, the glass condenser will auto rise.



Middle liquid adding-Proper operating position

A liquid filling port is uniquely designed in the middle of glass condenser, proper height of the liquid filling port for adding reagents during the experiment.

Triple safety protection-more peace of mind using

Triple safety protection against dry heating. A high-decibel voice alarm will be triggered when the hot water bath is nearly empty. In extreme cases, if dry burning occurs, the equipment can be automatically powered off to ensure safe use.

Intermittent stirring-Easy to hydrolysis

6-position magnetic stirrer are equipped by AF6M and AF6DM, which can stir continuously or interrupt, make the sample hydrolysis easier.

04

05

06

Model Parameter	AF6D	AF6D-SOX	AF6DM	AF6DM-SOX
Soxhlet extraction compatible	N/A	YES	N/A	YES
Sample capacity	6 pcs	6 pcs	6 pcs	6 pcs
Bottle thread	Standard 24/29 thread	Standard 24/29 thread	Standard 24/29 thread	Standard 24/29 thread
Bottle volume	150、250ml	150、250ml	150、250ml	150、250ml
* Water bath	Heating and cooling bath	Heating and cooling bath	Heating and cooling bath	Heating and cooling bath
Temp. range of heating	Room temp.~100°C	Room temp.~100°C	Room temp.~100°C	Room temp.~100°C
Temp. stability of heating	±1°C	±1°C	±1°C	±1°C
* Sound alarm of hot water bath	YES	YES	YES	YES
Temp. range of cooling bath	5°C ~10°C	5°C ~10°C	5~10°C	5~10°C
* Automatic rise and fall	YES	YES	YES	YES
* Sample timing range	0~999min adjustable	0~999min adjustable	0~999min adjustable	0~999min adjustable
Magnetic stirring	—	—	YES	YES
Magnetic stirring speed	—	—	0~2000 round/min Adjustable	0~2000 round/min Adjustable
Recirculating chiller	T3B	T3B	T3B	T3B
Power supply	AC220V 50/60Hz	AC220V 50/60Hz	AC220V 50/60Hz	AC220V 50/60Hz
Input power	2500W	2500W	2500W	2500W
Overall dimensions L×W×H(mm)	1200×350×930	1200×350×930	1200×350×930	1200×350×930