



Microwave Digestion System FM-MDS-A100

Overview

Microwave Digestion System FM-MDS-A100 features a chamber volume of 58L and accommodates up to 12 vessels optimizing throughput for large sample volumes. It offers a microwave frequency of 2450MHz facilitating rapid and uniform heating. Integrated with a non-contact infrared temperature sensor, capable of measuring temperatures up to 350°C. Equipped with an 8-inch TFTLEDtouchscreen providing intuitive navigation and monitoring of parameters.

Specifications :

Chamber Volume	58L
Microwave Frequency	2450 MHz
Microwave Output Power	0 to 2000W
Maximum Temperature	350°C
Temperature Accuracy	-0.5°C
Temperature Sensor	Non-contact infrared temperature sensor
Maximum Pressure	10MPa
Pressure Accuracy	-0.01Mpa
Vessel Quantity	12 Vessels
Vessel Volume	100ml
Vessel Material	Vessel made of TFM; Explosion-proof outer vessel made of PEEK aerospace composite material
Cooling Method	Forced air cooling
Exhaust and Cooling System	acid-resistant centrifugal fan, exhaust air volume is not less than 5m ³ /min
Power Consumption	2600W
Power Supply	AC220-10%,50/60Hz AC110V,60Hz (Optional)
Dimension	590 x620 x830mm
Weight	75kgs

Features :

- Forced air cooling method
- SUS316 stainless steel chamber
- Explosion-proof self-locking furnace door
- 360° continuous unidirectional rotation
- Incorporated with an exhaust cooling system
- Shutdown and alarms on temperature/pressure failure

Applications :

Microwave Digestion System is widely utilized in environmental analysis, food and beverage testing, pharmaceutical analysis, geochemical studies, and clinical research.

Accessories :

- Turntable bracket, PEEK
- explosion-proof outer x 12
- TFM inner vessel x 2
- Infrared temperature sensor
- Graphite acid evaporator