

Microwave Digestion and Extraction System

This system employs high-frequency resonant high-voltage microwave power for efficient operation. It features a stainless steel cylindrical furnace with multi-layer PFA coating for durability and easy cleaning.



Overview

High-Performance Microwave Digestion System

This advanced microwave digestion and extraction system is designed for high-efficiency sample preparation, offering intelligent control modes and real-time monitoring. With customizable digestion methods and robust safety features, it ensures precise results for complex laboratory analysis. The system supports multiple safety protocols, including non-contact temperature and pressure sensors, to protect both the operator and the integrity of the samples.

Operational Features

Safety Features

- Industrial-grade Cylindrical Furnace Chamber
- Overhead-type Explosion-proof Door
- Real-time temperature and pressure monitoring
- Over-pressure alarming
- Elastic pressure-controlling protection
- Overheat and over-current protection
- Abnormal noise detection
- System failure self-check
- High-pressure resistant vessel framework
- Non-destructive pressure-releasing groove
- Triple centrifugal exhaust fans

Control Capabilities

Touch Screen Interface, 256+ Programmable Methods, 10-Step Digestion Setup, Intelligent Heating Control, Automatic Cooling Mode, RS232 PC Connection

Technical Specifications

Model Comparison

Feature	MW-DE-9916	MW-DE-9912
Output Power	0-2400W	0-2000W
Chamber Volume	75L	70L
Tank Quantity	16 pcs	12 pcs
Temp Range	RT ~ 400	RT ~ 300
Microwave Frequency	2450 MHz	
Input Power	3000 W	
Digestion Tank Volume	100 ml	
Pressure Range	0 ~ 10Mpa (± 0.01 MPa)	
Vessel Max Temperature	300	
Power Supply	110/220V AC, 50/60Hz	
Unit Weight	70 kg	