



HMWD-600

Microwave Digestion System



Compatible with 6/8/10-position sample rotor.



No consumables, e.g. bursting disk, sealing cup, etc. lower maintenance cost.



Equip with smart 7 inches touch screen, user-friendly UI.



Pre-installed multiple international application methods. Users can also edit, modify and delete the methods.

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Exterior View



HMWD-500

Product Advantages



Compatible with 6/8/10-position sample rotor.



No consumables, e.g. bursting disk, sealing cup, etc. lower maintenance cost.



Equip with smart 7 inches touchscreen, user-friendly UI.



Pre-installed multiple international application methods. Users can also edit, modify and delete the methods.



Professional electromagnetic protection design, compatible with high-level microwave leakage protection standards.



High power turbulent air cooling design makes fast cooling.



Equip with 316L stainless explosion-proof cavity, coated with multi-layer anti-corrosive and heat resisting coatings, which greatly prolongs its service life and ensure the safety of operation.



Germany contactless IR sensor and pressure sensor, real-time display the temperature and pressure of sample solution (**NOT Vessel Wall**) in each vessel and show T&P scanning curve.

Specifications



| Model | HMWD-500 | | |
|-----------------------------|--|---|----|
| Vessel Quantity | 6 | 8 | 10 |
| Pressure Monitoring | Contactless pressure sensor All vessels scanning monitoring | | |
| Max. Working Pressure Range | 6MPa | | |
| Temperature Monitoring | Contactless IR sensor All vessels scanning monitoring | | |
| Max. Working Temperature | 250°C | | |
| Temperature Accuracy | ±0.1°C | | |
| Vessel Volume | 100mL | | |
| Display | 7 inches Color Touch Screen | | |
| Rotation | 360° continuous rotation | | |
| Microwave Power | 0-1000W (Adjustable) | | |
| Microwave Frequency | 2450MHz | | |
| Cavity Volume | 35L | | |
| Microwave Leakage | <5mW/cm2 | | |
| Power | AC 220V±10%, 10A, 50/60Hz | | |

Exterior View



HMWD-600

Product Advantages



Compatible with 6/8/10/12-position sample rotor.



No consumables, e.g. bursting disk, sealing cup, etc. lower maintenance cost.



Equip with smart 7 inches touchscreen, user-friendly UI.



Pre-installed multiple international application methods. Users can also edit, modify and delete the methods.



Professional electromagnetic protection design, compatible with high-level microwave leakage protection standards.



High power turbulent air cooling design makes fast cooling.



Equip with 316L stainless explosion-proof cavity, coated with multi-layer anti-corrosive and heat resisting coatings, which greatly prolongs its service life and ensure the safety of operation.



Imported contactless IR sensor and pressure sensor, real-time display the temperature and pressure of sample solution (**NOT Vessel Wall**) in each vessel and show T&P scanning curve.

Specifications



| Model | HMWD-600 | | | |
|----------------------------|--|---|----|----|
| Vessel Quantity | 6 | 8 | 10 | 12 |
| Temperature Monitoring | Contactless IR Sensor Temperature Monitoring Each Vessel Temperature Controlled Temperature Controlling Range: 50-400°C Max. Working Temperature: 250°C Temperature Accuracy: ±0.1°C | | | |
| Pressure Monitoring | Contactless Sensor Pressure monitoring Each Vessel Pressure Controlled Pressure Controlling Range: 0-15MPa Max. Working Pressure: 6Mpa Pressure Accuracy: ±0.01MPa | | | |
| Vessel Volume | 100mL | | | |
| Sample Vessel Material | Imported TFM | | | |
| Protection Vessel Material | PEEK+Glass Fiber | | | |
| Display | 7 inches Color Touch Screen | | | |
| Rotation | One Direction 360° continuous rotating | | | |
| Microwave Cavity | 316L stainless steel cavity with corrosion-proof coating | | | |
| Microwave Power | 0-1000W (Adjustable) | | | |
| Microwave Leakage | <5mW/cm ² | | | |
| Air Exhaust | High power corrosion-proof air blower | | | |
| Power | AC 220V±10%, 10A, 50/60Hz | | | |

Exterior View



HMWD-700/HMWD-750

Product Advantages



Special Designed Sample Digestion Vessel

The auto vent and self-resealing design ensures digestion vessels can automatically release pressure and instantly reseal when a sudden over-pressure situation occurs. It reduces waste of batch samples and also avoids vessel damage.



Contactless Temperature and Pressure Monitoring System

The imported contactless IR sensor can measure the real-time temperature of sample solution (**NOT Vessel Wall**) in each digestion vessel. Meanwhile, the contactless pressure sensor can monitor the real-time pressure of each vessel. It avoids sample cross-contamination, and the real-time temperature and pressure value in each vessel are displayed during the whole digestion process and enables a clear check of digestion condition.



Large Storage Capacity

Up to 255 kinds of method programs can be edited and saved, each method program can set with max. 10 steps and parameters (temperature, pressure, time, microwave power).



Safety Protection System

The double locked security door, the separate protection vessel frame, the real-time temperature and pressure monitoring system, the auto adjustment of over-pressure and over-temperature system and the abnormal sound monitoring ensure that a highly safe operation environment.

Specifications



| Model | HMWD-700 | HMWD-750 |
|----------------------------|--|----------------------|
| Vessel Quantity | 12 | 18 |
| Temperature Monitoring | Contactless IR Sensor Temperature Monitoring Each Vessel Temperature Controlled Temperature Controlling Range: 50-400°C Max. Working Temperature: 250°C Temperature Accuracy: ±0.10C | |
| Pressure Monitoring | Contactless Sensor Pressure monitoring Each Vessel Pressure Controlled Pressure Controlling Range: 0-15MPa Max. Working Pressure: 6Mpa Pressure Accuracy: ±0.01MPa | |
| Vessel Volume | 100mL | |
| Sample Vessel Material | Imported TFM | |
| Protection Vessel Material | PEEK+Glass Fiber | |
| Display | 7 inches Color Touch Screen | |
| Rotation | One Direction 360° continuous rotating | |
| Microwave Cavity | 316L stainless steel cavity with corrosion-proof coating | |
| Microwave Power | 0-2000W (Adjustable) | 0-3000W (Adjustable) |
| Microwave Leakage | <5mW/cm2 | |
| Air Exhaust | High power corrosion-proof air blower | |
| Power | AC 220V±10%, 10A, 50/60Hz | |

Exterior View



HMWD-800

Product Advantages



Up to 40 Vessels, suitable for batch experiment.



Special Designed Sample Digestion Vessel

The auto vent and self-resealing design ensures digestion vessels can automatically release pressure and instantly reseal when a sudden over-pressure situation occurs. It reduces waste of batch samples and also avoids vessel damage.



Contactless Temperature and Pressure Monitoring System

The imported contactless IR sensor can measure the real-time temperature of sample solution (**NOT Vessel Wall**) in each digestion vessel. Meanwhile, the contactless pressure sensor can monitor the real-time pressure of each vessel. It avoids sample cross-contamination, and the real-time temperature and pressure value in each vessel are displayed during the whole digestion process and enables a clear check of digestion condition.



Large Storage Capacity

Up to 255 kinds of method programs can be edited and saved, each method program can set with max. 10 steps and parameters (temperature, pressure, time, microwave power).



Safety Protection System

The double locked security door, the separate protection vessel frame, the real-time temperature and pressure monitoring system, the auto adjustment of over-pressure and over-temperature system and the abnormal sound monitoring ensure that a highly safe operation environment.

Specifications



| Model | HMWD-800 |
|----------------------------|---|
| Vessel Quantity | 40 |
| Temperature Monitoring | <p>Contactless IR Sensor Temperature Monitoring</p> <p>Each Vessel Temperature Controlled</p> <p>Temperature Controlling Range: 50-400°C</p> <p>Max. Working Temperature: 250°C</p> <p>Temperature Accuracy: ±0.1°C</p> |
| Pressure Monitoring | <p>Contactless Sensor Pressure monitoring</p> <p>Each Vessel Pressure Controlled</p> <p>Pressure Controlling Range: 0-15MPa</p> <p>Max. Working Pressure: 6Mpa</p> <p>Pressure Accuracy: ±0.01MPa</p> |
| Vessel Volume | 50mL |
| Sample Vessel Material | Imported TFM |
| Protection Vessel Material | PEEK+Glass Fiber |
| Display | 7 inches Color Touch Screen |
| Rotation | One Direction 360° continuous rotating |
| Microwave Cavity | 316L stainless steel cavity with corrosion-proof coating |
| Microwave Power | 0-3000W (Adjustable) |
| Microwave Leakage | <5mW/cm ² |
| Air Exhaust | High power corrosion-proof air blower |
| Power | AC 220V±10%, 10A, 50/60Hz |