

Transform 800 Microwave Digestion System

- The Transform 800 Microwave Digestion System is a top loading, closed vessel with high pressure capabilities to enhance digestion quality while decreasing digestion time.
- This system is capable of simultaneously running up to 6 high pressure closed vessels, providing a fast and automated method to digest even the most difficult samples.
- With simple one step operation and full computer control of temperature and power, this cost-effective consolidates your AAS, AFS, ICP-AES, Hg Analyzer, ICP-OES and ICP-MS application. Transform 800 provides optimal performance reliable quality for sample preparation while leading the industry in safety.



Features:

- Direct sensing and control of samples temperature, and monitoring of pressure in vessel to ensure reproducible digestion.
- Evenly distributed microwave field throughout the chamber to ensure uniform heat for each sample vessel.
- Direct sensing and control of sample temperature in closed vessels to ensure reproducible digestion every time.
- On line EPA protocols and methods directory, full compliance with EPA methods.
- Flexibility to program individual methods for specific customizable sample preparation.
- Automated recording of conditions during each digestion.
- Reduces volatile element loss
- Prevents samples containment from the environment.
- Minimizes solvent consumption

Computer Control:

- The Transform 800 is a computer controlled system. Its software features real time control of temperature, pressure monitoring, graphic display, automatic data storage, unlimited method storage and complete record of instrument parameters.

Closed Vessel Digestion:

- The Transform 800 has capacity for 10 high-pressure vessels capable of digesting at a working pressure and temperature of up to 800 psi and 250°C.
- Temperature feedback control is achieved with a sealed thermocouple pressure probe enabling fast and accurate digestion by monitoring pressure and directly sensing and controlling temperature.
- The Transform 800 Microwave Digestion System is more effective than comparable system but has equivalent safety and performance.

Safety:

The Transform 800 comes standard with a range of safety features:

- Round, pressure resistant heavy duty oven chamber made of PFA-coated stainless steel
- Top loading, heavy duty automatic door with three level protection and safety interlocks
- Spring loaded inner cavity of lid buffers the shock in the event of heightened pressure
- Over pressure valve on each vessel vents at pre-set pressure limits. In addition, each vessels also has a rupture disk, offering the highest level of safety for high pressure situations
- Residual vessel pressure can be released manually during opening, providing extra safety to the user.
- Digestion vessels molded with engineering plastics.

| Microwave Digestion System | |
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| Model | Transform 800 |
| Number of Vessels | 10 (9 standard + 1sensor vessel) |
| Operating Temperature | 250°C |
| Operating Pressure | 800 psi |
| Temperature/Pressure Sensor | 1 |
| Vessel Volume | 50ml |
| Electrical | 220V, 50/60Hz, 10A |
| Microwave Power | 1200W |
| Magnetron Frequency | 2450 Mhz |
| Dimension (W x D x H) mm | 480 x 550 x 480 |
| Weight | 50 kg |