

## Transform 680 Microwave Digestion System

- The Transform 680 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 AA, ICP-AES, ICP-OES and ICP-MS application. It is a cost effective system that provides optimal performance while leading the industry in safety and also provides optimal performance and reliable quality for sample preparation.



### Features:

- Round, pressure resistant heavy duty oven chamber made of PFA coated stainless steel with top loading manual door.
- 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.
- Window-based software for real time control of temperature.

### Closed Vessel Digestion:

- Closed vessel digestion reduces contamination issues by ensuring a clean, controlled environment for each individual sample. Transform 680 Microwave Digestion System can hold 6 high pressure vessels operating at 400 psi and 250°C. A sealed thermocouple sensor enable fast and accurate temperature control.

### Computer Control:

- The Transform 680 is a fully computer controlled system. Its software features direct control and sensing of temperature with real time graphic display, automatic data storage, unlimited method storage, and complete record of instrument parameters.

### Safety:

The Transform 680 comes standard with a range of safety features:

- Top loading with safety interlocks
- Fume exhaust module
- Rupture disks and vent detection mechanisms on each vessel which automatically shuts down power in response to over pressure
- Teflon lining of oven cavity
- Digestion vessels molded with engineering plastics.
- Continuous temperature monitoring and control
- Release of acid fumes into collection reservoir in vessel carousel
- Automatic pressure release mechanism in oven cavity.

### Microwave Digestion System

Model	Transform 680
Number of Vessels	6 (5 standard + 1 sensor vessel)
Operating Temperature	250°C
Operating Pressure	400 psi
Temperature Sensor	1
Vessel Volume	60ml
Electrical	220V, 50/60Hz, 10A
Microwave Power	1200W
Magnetron Frequency	2450 Mhz
Dimension (W x D x H) mm	480 x 460 x 430
Weight	30 kg