

MICROWAVE DIGESTION SYSTEM

TECHNICAL PARAMETERS

MODEL	ECO-610-T6
Vessel quantity	6
Vessel volume	100 mL
Rotor	6 places
Rotation	360° continuous rotation (one direction)
Maximum working temperature	250°C
Temperature accuracy	±0.1°C
Pressure range	0-60 bar
Leakage of microwave power density	<5mW/cm ²
Microwave power	0-1000 W (adjustable)
Microwave frequency	2450 MHz
Chamber volume	42 L
Display	7-inches touch screen
Vessel materials	*Inner:TFM *Outer:PEEK + glass fiber
Power	1.3 kW
Dimensions	490 x 560 x 630 mm
Net weight	47 kg
Power supply	AC 220V ± 10%, 50/60Hz

DESCRIPTION

Microwave digestion technology is highly efficient sample preparation technology. It uses microwave heating principle in a sealing container and uses high temperature and high pressure to achieve a quick and complete digestion of inorganic or organic samples. It is ideal for sample preparation in modern analytical methods as UV-VIS, HPLC, AAS, ICP-AES, ICP-MS, GFAA, AFS, XFS, etc.



Ecoshel reserves all the rights to changes in product design, if there are any design change, we will not inform in advance.



STANDARD ACCESSORIES

1. Digestion vessels
2. Vessel holder
3. Pressure calibration rings
4. Sample rotor
5. Auxiliary platform
6. Unload tool

KEY FEATURES

1. 7-inch color touch screen with user-friendly interface for easy operation.
2. Real-time monitoring for both temperature and pressure of each vessel.
3. Microwave digestion technology provides excellent temperature distribution and heating rate.
4. Contactless sensors for a temperature and pressure precise control system.
5. Smart design, optimal performance, and simple operation.
6. 316L stainless steel chamber with multilayer Teflon coating avoids acid corrosion, also improved cooling efficiency.
7. User can set 1-255 programs with 10 steps each one.



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