

RAPIDwave Eco Smart Microwave Digestion System

The RAPIDwave Eco Microwave Digestion System is a basic model which possesses dual temperature and pressure control **directly** via specific sensors assembly, high performance vessels and enhanced protection door, **meeting** the application in the high pressure range.

The RAPIDwave Eco System is designed for beginners who want to change from the traditional digestion methods to Microwave Digestion.



Features

Interface & Screen

- Easy to access alphanumeric and graphic 5.6" LCD Screen
- For better viewing the screen is mounted at an angle of 23 degrees
- Simple Method Programming



Safety by Design

- Dual Temperature & Pressure control
- Enhanced Dual Protection Door

General Design

- User friendly, Safe and at Reasonable Cost

Turnplate Design (KJ-180 Vessel)

Number	6
Material of Inner Vessel	TFM
Material of Sleeve	PEEK
Volume of Inner Vessel	100mL
Maximum Working Pressure	40bar
Maximum Tolerance Pressure	100bar
Maximum Working Temperature	235°C
Maximum Tolerance Temperature	260°C

Specifications

AC Power Input	220-240V/50Hz , 8A
Maximum Microwave Power Output	1000W
Microwave Frequency	2450MHz
Microwave Emission Mode	Non-pulse Continuous Microwave output
Microwave Control Mode	High Frequency Closed-loop Feedback (PID) Control
Volume of Resonant Cavity	32L
Maximum Temperature Control System	Temperature Maximum Range : RT - 300 °C Temperature Measure Accuracy : ±1°C
Maximum Pressure Control System	Pressure Maximum Range : 0-100bar Pressure Measure Accuracy : ±0.1bar
Carousel	6 Vessels Simultaneous Operation (KJ-180)
Exhaust System	Anti-corrosion Converting-frequency Centrifugal Blower Maximum Air-flow Capacity 3.5m ³ /min
Working Environment Temperature	0-40°C
Relative Humidity	15%-80%RH
External Dimensions	564mm×580mm×512mm (W×H×D)
Weight	32Kg

Statement: Specification may change without notice. Spectrum reserves rights of final explanation. Version: 2016.07

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