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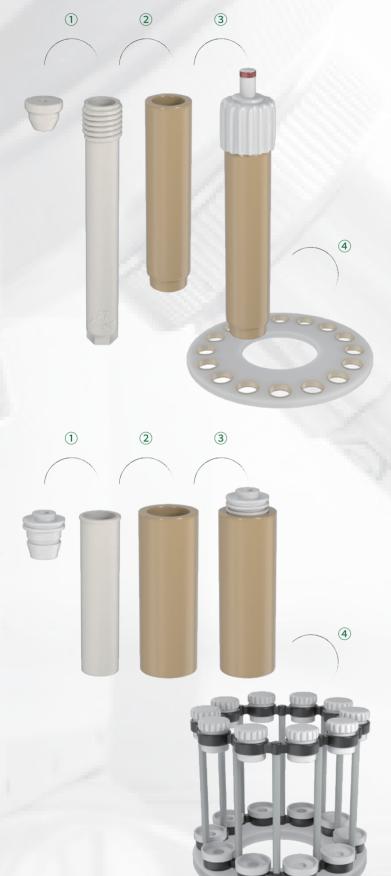








# Simpler handling, safer digestion





**Economy** 

Occupy less space, higher energy efficiency, reduced operating cost

Performance

Uncompromised digestion capability by 10 high pressure vessel or 16 high throughput vessel

**Efficiency** 

Rapid batch digestion and cooling (< 1 hour) for all sample types

**Easiness** 

A simple 4-step procedure allows fast (<3 min) and safe assembly of 16 vessels



## **All-Around Digestion Safety Guarantee**

#### Instant pressure management in all vessels

Proprietary vent-and-seal technology ensures all vessels operate under safe and secure environment throughout the digestion.





Fully sealed

Venting in action

#### Complete infrared-based temperature solution

Rtemp IR sensor revolutionizes temperature monitoring in microwave digestion



Rtemp sensor's excellent IR penetration of TFM wall allows temperature of the digestion solution being detected directly



measures the temperature of

TFM wall only





#### **OVEN BODY**

#### 5-year corrosion-free warranty

- 316L Stainless Steel oven body construct
- Seamless Laser Soldering
- 5-Layer Premium Teflon Coating



#### Microwave Emitter

#### **Proprietary Microwave Focusing**

- · Optimized dual-magnetron positioning
- Creative microwave guiding technology to streamline the energy density and distribution
- Delivers rapid, safe, and reproducible batch digestions

#### **ENHANCED SAFETY DESIGN**

#### **Buffered Safety Door Concept**

- Floating Safety Lock
- Automatic depressurize and re-close
- Secure microwave emission upon fully closed door





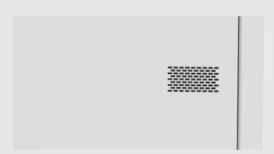
Microwave in action

Microwave paused

#### The Art of Cooling

#### TwinAir technology

- · Rapid duo airway cooling
- · Streamlined air passage
- Automatic airflow rate control
- Max 10 min to safe temperature



### Hassel-free operation software

- Intuitive software interface
- Pre-loaded method library
- · Simple method setup, edit, retrieval
- · Fast track of three recent methods





# Patented reaction vessel design





 Completely tool-free vessel assembling





- Individualized vessel ID
- Unique hexagonal vessel bottom for easy vessel handling

## High performance rotor HP10

- Greater temperature and pressure tolerance for tough sample matrices
- Digest 10 difficult samples in a single batch
- Powered by Rtemp super IR technology
- Contactless and real-time T/P control in full vessel set



Rotor	HP10
# of vessels	10
Vessel material	TFM
Protective sleeve material	Reinforced PEEK
Vessel volume	100 ml
Max withstanding temp	330C
Max withstanding pressure	150 bar

## High throughput rotor GT400

- Max 16 samples in a single batch
- Powered by Rtemp super IR technology
- Contactless and real-time T/P control in full vessel set



Rote	or	GT400	
# of ve	ssels	16	
Vessel m	aterial	TFM	
Protective slee	eve material	Reinforced PEEK	
Vessel v	olume	60 ml	
Max withstar	nding temp	330C	
Max withstand	ing pressure	120 bar	

## **Specifications**

Touch screen	7' High def colour LCD	
Microwave oven	Industrial grade resonance oven	
Oven body	316L Stainless Steel	
Microwave frequency	2450MHz	
Microwave emission mode	Unpulsed, ±1W	
Microwave control mode	PID control	
Ambient temperature	5-40C	
Ambient humidity	15-80% RH	
Dimension of mainframe	615(H) × 452(W) × 499 (D) mm	
Net weight	70Kg	

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