

Microwave digestion system  
**TOPwave**



## TOPwave

<b>Power supply</b>	230 V, 50/60 Hz, 2300 W, optional 200 V, 50/60 Hz, 2300 W
<b>Microwave power</b>	1450 W, adjustable in 1% steps
<b>Frequency</b>	2450 MHz
<b>Weight</b>	Basic device 62 kg, controller 3 kg
<b>Dimensions (W x D x H)</b>	Basic device 530 x 630 x 420 mm, controller 220 x 240 x 150 mm
<b>Oven (d x H)</b>	360 x 250 mm
<b>Noise level</b>	< 60 dB
<b>Ambient conditions</b>	15–35 °C/85 % rel. humidity
<b>Controller interfaces</b>	Ethernet, USB, RS-232
<b>Languages (Software)</b>	German, English, French, Italian, Polish, Spanish, Turkish
<b>Coating</b>	90 µm PFA (fired at min. 350 °C)
<b>Internal diagnostics</b>	Magnetron status, magnetron temperature, oven temperature, transformer, cover lock
<b>Temperature measurement</b>	Measurement range 80–300 °C, precision 1 °C at 200 °C
<b>Pressure measurement (Option)</b>	Measurement range 0–150 bar, precision 5 bar (depending on vessel type) Light fiber optic is used for signal pathway and proper cover improves the robustness.
<b>Rotary table</b>	Continuous clockwise rotation, approx. 6 RPM
<b>Safety tests</b>	CE conform, complies with EN 335-25, EN 50081, EN 50082 and EN 61010
<b>Warranty</b>	12 months, including digestion vessels

Vessel	PM 40	PM 60	PL 100	CX 100
Volume [mL]	40	60	100	100
Operating pressure [bar]	40	40	40	100
Test pressure [bar]	55	60	55	150
Max. Temp. [°C] (continuous)	210	210	210	250
Max. Temp. [°C] (peak)	230	230	230	300
Vessels per rotor	24	12	12	8

*Liner-Systems (add-ons):*

Vessels	QX 20	QX 22	Multi-vials
Volume [mL]	20	22	10
Operating pressure [bar]	100	100	100
Test pressure [bar]	150	150	150
Max. Temp. [°C] (continuous)	250	250	230
Max. Temp. [°C] (peak)	260	260	260
Vessels per rotor	12	12	8 x 3
Option for:	PM 60	PL 100	PL 100, CX 100



Subject to changes in design and scope of delivery as well as further technical development!