

Microwave assisted sample preparation

TOPwave



TOPwave

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

Vessel	PM 40	PM 60	PH 30	PL 100	CX 100
Volume [mL]	40	60	30	100	100
Operating pressure [bar]	40	40	80	40	100
Test pressure [bar]	55	60	120	55	150
Max. Temp. [°C] (continuous)	210	210	230	210	250
Max. Temp. [°C] (peak)	230	230	260	230	300
Vessels per rotor	24	12	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!