

Appendix A: Technical Data

Dimensions (W x D x H):	360 x 530 x 365 mm (14.2 x 20.9 x 14.4 inch)
Cavity volume:	7.6 L
Weight:	30 kg
Power supply:	AC 230 V $\pm$ 10 % 50/60 Hz
Airborne noise emission (closed fume hood):	< 70 dB (A)
Power consumption:	2680 VA
Installed microwave power:	1000 W
Microwave power control:	Unpulsed mode over whole power range
Magnetron frequency:	2455 MHz
Housing material:	Polystyrene
Cavity material:	Stainless steel with multilayer fluoropolymer coating
Rotor speed:	> 5 rpm
IR sensor:	Temperature control from 50 °C up to 250 °C in 1 °C steps Temperature accuracy: $\pm$ 2 °C (0 °C - 180 °C); $\pm$ 3 °C >(180 °C - 240 °C)
Environmental conditions (EN 61010):	Indoor use only
Ambient temperature:	15 - 35 °C
Air humidity:	Min. relative humidity: 10 % Max. relative humidity: 80 % (non-condensing) - up to 31 °C decreasing linearly to 66 % at 35 °C
ISM group:	2 HF-energy for the treatment of material is intentionally generated as electromagnetic radiation in the instrument.
ISM class:	B The instrument is designed to be operated in residential areas and those areas which are directly connected to a low-voltage suitable power supply.
Storable methods:	> 100
Pollution degree:	2
Overvoltage category:	II
Protection class:	I, according to VDE 0106
Protection degree:	IP 20, according to IEC 60529
Altitude:	0 - 2000 m
Touch screen user interface:	Illuminated LCD capacitive touch screen, 320 x 240 pixel
Interfaces:	2# USB connection
Exhausts:	Multiwave GO Plus blows out exhausts with a displacement volume of 25m ³ /h
Number of methods which can be saved:	More than 100

Appendix A.1: Reaction Vessel HVT50

Material:	PTFE-TFM
Volume:	50 mL
Filling volume:	3 to 25 mL - the filling volume depends on the volume of the reaction mixture and the target reaction temperature. For 1 or 3 vessel digestions use a minimum filling volume of 6 mL.
Pressure:	0 - 40 bar (20 bar venting pressure)
Operating temperature:	up to 250 °C (depending on the acid composition)