

2. DESCRIPTION OF THE SYSTEM

2.1. Technical Specifications

2.1.1. Unit

Power Supply	230 V (+15/-20 %); 50 / 60 Hz
Safety devices	16 AT, 250V mains power supply
Magnetron Operating Voltage	4 kV
Power consumption at max. heating power	2500 VA
Maximum delivered power to pressure vessel	1500 W
Microwaves in the microwave cavity	Frequency: 2,45 GHz Wavelength: 12,25 cm
Dimensions without Terminal	Height: 848 mm Width: 510 mm Depth: 684 mm Height with raised up shield: 1050 mm
Weight	approx. 105kg depending on system configuration
Recommended Service Frequency	1 x yearly or after max. 600 runs
Temperature range	5°-40°C
Maximum altitude	2000m
Maximum loudness (with Compressor)	85 dB

2.1.2. Pressure Vessel

Material	Stainless steel
Capacity	950 ml incl. fittings
Max. Allowed pressure	199 bar
Maximum Operating Pressure	190 bar
Max. Allowed Wall Temperature	90°C

2.1.3. Cooling water

Use only deionised water for cooling, at a temperature of 5°C-15°C and a pressure of 2-4 bar.