

## 2. DESCRIPTION OF THE SYSTEM

### 2.1. Technical Specifications

#### 2.1.1. Unit

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

#### 2.1.2. Pressure Vessel

<b>Material</b>	Stainless steel
<b>Capacity</b>	950 ml incl. fittings
<b>Max. Allowed pressure</b>	199 bar
<b>Maximum Operating Pressure</b>	190 bar
<b>Max. Allowed Wall Temperature</b>	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.