



## HYDROGEN PEROXIDE (H<sub>2</sub>O<sub>2</sub>)

### Low-Temp Gas Plasma Sterilization Device

#### Technical Specifications / Datasheet

MODEL	S75	S125
TYPE	HRF 3000	HRF 3000
SCREEN	Touch Screen 7"	Touch Screen 7"
EXTERNAL DIMENSIONS (mm) (W/D/H)	730x955x1860	730x955x1860
CHAMBER INTERIOR DIMENSIONS (mm) (W/H/D)	440x370x700	440x500x700
CHAMBER VOLUME (lt)	113	154
CHAMBER VOLUME (Effective Field lt)	92	131
POWER (WATT)(MAX.)	3200	3200
OPERATING VOLTAGE	220/230 VAC,	220/230 VAC,
	50/60 Hz	50/60 Hz
PROTECTION CLASS	IP20	IP20
EXTERNAL CHASSIS	STAINLESS STEEL 304	STAINLESS STEEL 304
CHAMBER MATERIAL	STAINLESS STEEL 316	STAINLESS STEEL 316

<b>CLASS - TYPE</b>	
<b>TYPE (BLOKE)</b>	Bloke Type Hydrogen Peroxide Low Temperature Sterilizer
<b>CLASS</b>	CLASS IIb
<b>STERILIZATION SPECIFICATION</b>	All Microorganisms (All Bacteria Forms, All Viruses, All Fungi Forms) And All Prions
<b>MODELS</b>	S75– S125
<b>PHYSICAL and TECHNICAL SPECIFICATIONS</b>	
<b>DEVICE EXTERNAL DIMENSIONS (CASTER NOT INCLUDED)</b>	S75 - 730x955x1860 S125- 730x955x1860
<b>QUALITY OF STAINLESS STEEL (CHAMBER, DOOR, EXTERNAL CHASSIS ETC.)</b>	Chamber 316L / Door 5083 Al / External Chassis 304 Stainless Steel
<b>WEIGHT (KG)</b>	390-450 Kg (S75 – S125)
<b>CHAMBER INTERIOR DIMENSIONS</b>	S75 - 440x370x700 mm S125 - 440x500x700 mm
<b>NUMBER OF TRAYS</b>	S75 - 2 Units S125 - 3 Units
<b>TRAY SPECIFICATIONS</b>	Electro Polishing Stainless Steel 600x390x80 mm Wire Tray
<b>CHAMBER VOLUME (LITER)</b>	S75-113 lt / Effective Use Field 92 lt S125-154 lt / Effective Use Field 131lt
<b>DOOR SPECIFICATION</b>	Vertical Sliding Automatic Door
<b>DOOR OPEN / CLOSE METHOD</b>	Automatic and Optional Foot Pedal
<b>DOOR GASKET SYSTEM</b>	Silicone Gasket
<b>DOOR SAFETY</b>	Sensor Secured
<b>EXHAUST FILTER</b>	Oil Mist Traps
<b>FRESH AIR FILTER</b>	HEPA
<b>CONDITIONER AND AERATION</b>	Included
<b>DEHUMIDIFICATION FEATURE</b>	Included
<b>H<sub>2</sub>O<sub>2</sub> SEPARATOR</b>	TEKNO MAR 0,8 kW H <sub>2</sub> O <sub>2</sub> Vaporizer
<b>PLASMA ELECTRODE</b>	Included / Condensative Featured Prism
<b>PLASMA FEATURE</b>	Included / Chamber Interior HRF Cold Plasma Technology
<b>PLASMA POWER</b>	HRF 12kV / Plasma Power 750W
<b>PRE-PLASMA FEATURE</b>	Included
<b>OPERATING TEMPERATURE</b>	37-55°C
<b>TEMPERATURE SENSOR</b>	PT100
<b>HEATING TYPE</b>	Homogeneous Plate Heaters
<b>VACUUM PUMP SUCTION LEVEL</b>	10 <sup>-3</sup> Torr
<b>NUMBER OF VACUUM AND FEATURE</b>	5-8 Times Depending on The Selected Program. In Case Of Humidification Detected, Alarm Is Given for Pre-Plasma.
<b>CONNECTION / PIPE LINE FEATURES</b>	QF Stainless Steel /PVC Connectors
<b>ELECTRICAL SPECIFICATIONS</b>	
<b>ELECTRIC INFORMATION</b>	220-230V AC 50-60 Hz
<b>PROTECTION CLASS</b>	IP20 / EN 60601-1-2:2015
<b>CONSUMPTION</b>	Rated Burden 6,7 kW / Per Cycle 2,7 kW

<b>PROGRAM SPECIFICATIONS</b>	
<b>SOFTWARE</b>	PLC / HMI
<b>CONTROL PANEL SPECIFICATIONS</b>	7" LCD / Touch Screen
<b>LANGUAGE</b>	Turkish-English- Romanian
<b>MENU</b>	Date, Time, Temperature, Pressure, Steps of Program, Alarm, Service and more.
<b>VALIDATION AND CALIBRATION PROGRAM</b>	Included. Each of the Devices Certified for Validation and Calibrations.
<b>PRINTER FEATURE</b>	Thermal Printer, 56x16 mm 15 mt Thermal Printer Paper.
<b>PASSWORD PROTECTION</b>	Included for User and Maintenance Separately.
<b>BARCODE READER</b>	Included as Optional
<b>RFID CARTRIDGE IDENTIFICATION (OPTIONAL)</b>	Each of the Cartridge Has RFID Code to Detect Efficiency of Hydrogen Peroxide Solution and Expire Date.13.56 MHz
<b>USB PORT / DATA TRANSFER</b>	Included
<b>RS232 CONNECTION</b>	Included
<b>CONNECTION TO NETWORK SYSTEM</b>	Included (Optional)
<b>REMOTE ACCESS</b>	Included (Optional)
<b>NUMBER OF PROGRAM</b>	3 as; Short, Long and Lumen
<b>STERILIZATION DURATION</b>	Lumen Program 56 Min / Short Program 30 Min / Long Program 48 Min (After System is Ready)
<b>SPECIAL LUMEN PROGRAM</b>	2 mm Inner Diameter, 1200 mm Length, 1 mm Inner Diameter 850 mm Length Teflon Flexible Lumens and 1 mm Inner Diameter 500 mm Length Rigid Stainless-Steel Lumens.
<b>LUMEN INNER DIAMETER</b>	Between $\varnothing$ 1 mm – $\varnothing$ 100 mm
<b>ABILITY OF STERILIZING ENDOSCOPES</b>	Included
<b>ABILITY OF STERILIZING CATHETER</b>	Included ( $\varnothing$ 1 mm x L1350 mm (Dual End Open)
<b>PRION FEATURE</b>	Effective for Prions
<b>H<sub>2</sub>O<sub>2</sub> STERILANT SPECIFICATIONS (HYDROGEN PEROXIDE SOLUTION CARTRIDGE)</b>	
<b>H<sub>2</sub>O<sub>2</sub> CONSUMPTION</b>	Short Cycle 7+7 cc / Long Cycle and Lumen Program 10+10 cc
<b>H<sub>2</sub>O<sub>2</sub> CONCENTRATION</b>	Min %35 H <sub>2</sub> O <sub>2</sub> Concentration and Above
<b>H<sub>2</sub>O<sub>2</sub> CARTRIDGE SPECIFICATION</b>	%40-60 H <sub>2</sub> O <sub>2</sub> / 100 cc – 150 cc
<b>SHELVE LIFE OF CARTRIDGE</b>	6 Months Under Storage of 15-25 <sup>o</sup> C Temperature
<b>H<sub>2</sub>O<sub>2</sub> WASTE DRAINAGE FEATURE</b>	Included (1 Lt Disposable)
<b>DOCUMENTS</b>	
<b>CE CERTIFICATE - 93/42/EEC</b>	Included
<b>ISO 13485</b>	Included
<b>LVD / EMC TEST AND DOCUMENTS</b>	Included / EN 60601-1:2006, EN 60601-1-2:2015
<b>EN ISO 14937 DOCUMENTS</b>	Included
<b>MAINTENANCE</b>	
<b>VACUUM PUMP AND MAINTENANCE PERIODS</b>	6 Months (300 Cycle) and 1 Year (600 Cycle) for Vacuum Pump Along With Periodical Maintenance.
<b>OTHER TECHNICAL SPECIFICATIONS</b>	4 Caster Built in to Ease of Placement and Installation. Only an Electric Connection is Required.