

Hydrogen Peroxide H₂O₂ Gas Plasma Sterilization Device Technical Specifications / Datasheet



MODEL	S75	D75	S125	D125
TYPE	HRF 3000	HRF 3000	HRF 3000	HRF 3000
SCREEN	Touch Screen 7"	Touch Screen 7"	Touch Screen 7"	Touch Screen 7"
EXTERNAL DIMENSIONS (mm) (W/D/H)	730 x 1010 x 1860	730 x 1010 x 1860	730 x 1010 x 1860	730 x 1010 x 1860
CHAMBER INTERIOR DIMENSIONS (mm) (W/D/H)	440 x 370 x 700	440 x 370 x 700	440 x 500 x 700	440 x 500 x 700
CHAMBER VOLUME (lt)	113	113	154	154
CHAMBER VOLUME (Effective Field lt)	92	92	131	131
CARTRIDGE H ₂ O ₂ AMOUNT	120 cc	120 cc	120 cc	120 cc
*POWER (WATT)(Max.)	3200W	3200W	3200W	3200W
OPERATING VOLTAGE	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz
EXTERNAL CHASSIS	STAINLESS STEEL 304	STAINLESS STEEL 304	STAINLESS STEEL 304	STAINLESS STEEL 304
CHAMBER MATERIAL	STAINLESS STEEL 316	STAINLESS STEEL 316	STAINLESS STEEL 316	STAINLESS STEEL 316

CLASS - TYPE	
Type (Bloke)	Bloke Type Hydrogen Peroxide Low Temp Sterilizer
Class	CLASS II B
Sterilization Specification	All Microorganisms (all bacteria forms, all viruses all fungi forms) and all prions
Models	BS75 – BD75 – BS125 – BD125
PHYSICAL and TECHNICAL SPECIFICATIONS	
Device External Dimensions	730 x 1010 x 1860mm (Caster Included)
Quality of Stainless Steel (Chamber, Door, External Chassis etc.)	Chamber 316L / Door 5083 Al / External Chassis 304 Stainless Steel
Weight (kg)	310-365 Kg (BS75 – BS125)
Chamber Interior Dimensions	S125 – D125 Model - 440 x 500 x 700mm S75 – D75 Model - 440 x 370 x 700mm
Number of Trays	S125 – D125 Model - 3 units S75 – D75 Model – 2 units
Tray Specifications	Electro Polishing Stainless Steel 600 x 390 x 80mm wire tray
Chamber Volume (Liter)	154 lt / Effective Use Field 131 lt 113 lt / Effective Use Field 92 lt
Door Specification	Vertical Sliding Automatic Door (Single / Double)
Door Open / Close Method	Automatic and Optional Foot Pedal
Door gasket System	Silicone gasket
Door Safety	Sensor Secured
Exhaust Filter	Oil Mist Traps
Fresh Air Filter	HEPA
Conditioner and Aeration Features	Included
Dehumidification Feature	Included
H2O2 Separator	HRF 3000 0,8 Kw H2O2 Vaporizer
Plasma Electrode	Included / Condensative featured prism
Plasma Feature	Included / Chamber interior HRF Cold Plasma Technology
Plasma Power	HRF 12kV / Plasma Power 750W
Pre-Plasma Feature	Included
Operating Temperature	37-55°C
Temperature Sensor	PT100
Heating Type	Homogeneous Plate Heaters
Vacuum Pump and Suction Level	w2vXX / 10 ⁻³ Torr
Number of Vacuum and Feature	5-8 times depending on the selected program. In case of humidification detected, alarm is given for Pre-Plasma.
Connection / Pipe line Features	QF Stainless Steel /PVC connectors
ELECTRICAL SPECIFICATIONS	
Electric Information	220-230V AC 50-60 Hz
Protection Class	IP20 / EN 60601-1-2:2016
Consumption	Rated Burden 6,7 kW / Stand by 0,0035 kW / Short program 0,296 kW / Long Program 0,457 kW / Lumen Program 0,468 KW
PROGRAM SPECIFICATIONS	
Software	PLC / HMI
Control Panel Specifications	7" LCD / Touch Screen
Language	Turkish- English

Menu	Date, Time, Temperature, Pressure, Steps of Program, Alarm, Service and more.
Validation and Calibration Program	Included. Each of the devices certified for validation and calibrations.
Printer Feature	Thermal Printer, 56 x 16mm 15mt thermal printer paper.
Password Protection	Included for User and Maintenance separately.
Barcode Reader	Included as Optional
RFID Cartridge Identification (Optional)	Each of the cartridge has RFID code to detect efficiency of hydrogen peroxide solution and expire date.13.56 MHz
USB Port / Data Transfer	Included
RS232 Connection	Included
Connection to Network System	Included (Optional)
Remote Access	Included (Optional)
Number of Program	3 as; Short, Long and Lumen
Sterilization Duration	Lumen Program 56 min / Short program 30 min / Long program 48 min (after system is ready)
Special Lumen Program	2mm inner Diameter, 1200mm length, 1mm inner diameter 850mm length Teflon flexible lumens and 1mm inner diameter 500mm length rigid stainless steel lumens.
Lumen Inner Diameter	Between Ø1mm – Ø100mm
Ability of Sterilizing Endoscopes	Included
Ability of Sterilizing Catheter	Included (Ø1mm x L1350 mm (Dual end open))
Prion Feature	Effective for Prions
H2O2 STERILANT SPECIFICATIONS	
H2O2 Consumption	Short Cycle 7+7cc / Long Cycle and Lumen Program 10+10cc
H2O2 Concentration	Min %45 H2O2 Concentration and above
H2O2 Cartridge Specification	%50 - %55 – %60..... H ₂ O ₂ / 100cc - 150cc
Shelve Life of Cartridge	6 Months under storage of 15-25 C° Temperature
H2O2 Waste Drainage Feature	Included (1 Lt disposable)
DOCUMENTS	
CE Certificate - 93/42/EEC	Included
ISO 13485	Included
LVD / EMC Test and Documents	Included / EN 60601-1-1:2009
EN ISO 14937 Documents	Included
MAINTENANCE	
Vacuum Pump and Maintenance Periods	6 Months (350 Cycle) and 1 year (700 Cycle) for Vacuum pump along with periodical maintenance
Other Technical Specifications	4 Caster built in to ease of placement and installation. Only Electric connection is required