



hdrOzone

Hydronium Heavy Molecule Sterilization Device

Technical Specifications / Datasheet

MODEL	3S125
TYPE	HRF 3000
SCREEN	Touch Screen 7"
EXTERNAL DIMENSIONS (mm) (W/D/H)	730x955x1980
CHAMBER INTERIOR DIMENSIONS (mm) (W/H/D)	440x500x700
CHAMBER VOLUME (lt)	154
CHAMBER VOLUME (Effective Field lt)	131
POWER (WATT)(MAX.)	3200 W
OPERATING VOLTAGE	220/230 VAC
	50/60 Hz
PROTECTION CLASS	IP20
EXTERNAL CHASSIS	Stainless Steel 304
CHAMBER MATERIAL	Stainless Steel 316

CLASS - TYPE	
TYPE (BLOCK)	Block Type Ozone & Hydrogen Peroxide Low Temperature Sterilizer
CLASS	Ozone & Hydrogen Peroxide Low Temp. Sterilization - Class IIb
STERILIZATION SPECIFICATION	Effective on Whole Microorganisms (All Bacteria Forms, Viruses, Fungi Forms) and All Prions
MODELS	3S125
PHYSICAL AND TECHNICAL SPECIFICATIONS	
DEVICE EXTERNAL DIMENSIONS	730x955x1980 mm
STAINLESS STEEL GRADE (CHAMBER, DOOR, OUTER PANELS)	Chamber 316 Stainless Steel / Door 5083 Al / Outer Panels 304 Stainless Steel
STERILIZATION CHAMBER INNER DIMENSIONS	440 x 500 x 700 mm
WEIGHT (KG)	430/ With Package 460
NUMBER OF TRAYS	3 Units
TRAY SPECIFICATIONS	Electro Polishing Stainless Steel 600 x 390 x 80 mm
CHAMBER VOLUME (LITER)	154 Lt / Available 131 Lt
DOOR SPECIFICATION	Vertical Opening Sliding Door
DOOR OPENING AND OPERATING	Automatic and Optional Foot Penal
DOOR SEAL SYSTEM	Silicone Gasket
DOOR SAFETY	Sensor Protection
EXHAUST FILTER	Oil Mist Traps
FRESH AIR FILTER	HEPA
CONDITIONER AND AERATION FEATURES	Included
DEHUMIDIFICATION FEATURE	Included
OZONE GENERATOR	TEKNO MAR 0,6 kW Ozone Gas Generator
H₂O₂ SEPARATOR	TEKNO MAR 0,8 kW H ₂ O ₂ Vaporizer
PLASMA ELECTRODE	Included / Condensative Featured Prism
PLASMA FEATURE	Included / Chamber Interior HRF Cold Plasma Technology
PLASMA POWER	Plasma Power 750W
PRE-PLASMA FEATURE	Included
OPERATING TEMPERATURE	37-45°C (fixed program 41°C)
TEMPERATURE SENSOR	PT100
HEATING TYPE	Homogeneous Plate Heaters
VACUUM PUMP SUCTION LEVEL	10 ⁻³ Torr
VACUUM FEATURE	The Device Also Has a High-Tech Moisture Drying System and Mode. Moist Materials are Sterilized by Drying in the Device Without Wasting Time.
CONNECTION / PIPE LINE FEATURES	QF Stainless Steel /PVC Connectors
ELECTRICAL SPECIFICATIONS	
ELECTRIC INFORMATION	220-230V AC 50-60 Hz
PROTECTION CLASS	IP20
CONSUMPTION	Rated Burden 6,7kW/ Per Cycle 2,7kW

PROGRAM SPECIFICATIONS	
SOFTWARE	PLC / HMI
CONTROL PANEL SPECIFICATIONS	7" LCD / Touch Screen
LANGUAGE	Turkish-English-Romanian
MENU	Date, Time, Temperature, Pressure, Steps of Program, Alarm, Service and more.
VALIDATION AND CALIBRATION	Included. Each of the Devices Certified for Validation and Calibrations.
PRINTER FEATURE	Thermal Printer, 56x16 mm 15 mt 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
CONNECTION TO NETWORK	Included (Optional)
REMOTE ACCESS	Included (Optional)
NUMBER OF PROGRAM	2 With HdrOzone Sterilization Feature 3 With Hydrogen Peroxide Sterilization Feature
STERILIZATION DURATION	HdrOzone Load Program 75 Min / Lumen and Full Capacity Load 95 Min (after system is ready)
LUMEN SPECIFICATION	All Length and Inner Diameter Teflon Flexible, Lumen Rigid Stainless Steel
LOAD PROGRAM	Rigid Channel Instruments and Single / Dual Channel Endoscopes (Inner Diameter $\geq \varnothing$ 1 mm Length \leq 2500 mm / Inner Diameter $\geq \varnothing$ 2 mm Length \leq 4500 mm) ((Dual end open))
SPECIAL LUMEN PROGRAM	Long Single / Multi Channel Flexible Endoscopes, Tubing Lumens (Inner Diameter $\geq \varnothing$ 0.1 mm Length \leq 2500 mm / Inner Diameter $\geq \varnothing$ 2 mm Length \leq 15000 mm) ((Dual end open))
ABILITY OF STERILIZING	Included
ABILITY OF STERILIZING CATHETER	Included (\varnothing 1 mm x L 1350 mm (Dual end open))
PRION FEATURE	Effective for Prions
OXYGEN SPECIFICATION	
EXTERNAL OXYGEN CONNECTION	Medical Oxygen \leq 90%
H₂O₂ STERILAN SPECIFICATION	
H₂O₂ CONCENTRATION	Min %45 H ₂ O ₂ Concentration and Above
H₂O₂ CARTRIDGE SPECIFICATION	%40-60 H ₂ O ₂ / 100 cc – 150 cc
SHELVE LIFE OF CARTRIDGE	6 Months Under Storage of 15-25 C° Temperature
H₂O₂ WASTE DRAINAGE FEATURE	Included (1 Lt disposable)
CERTIFICATES	
CE CERTIFICATE - 93/42/EEC	Included
ISO 13485	Included
LVD / EMC TEST AND DOCUMENTS	Included / EN 60601-1:2006, EN 60601-1-2:2015
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 and Medical Oxygen Connections are Required. Additional Exhaust or Drainage is not Required.