

Low Temperature H₂O₂ Gas Sterilizer

GP 120

Technical Datasheet

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Size of Chamber	
Chamber Volume	126 L
Chamber Depth	700 mm
Chamber Width	450 mm
Chamber Height	400 mm
Number of Shelves (each with 30 kg loading capacity)	2 pcs

Door Type			
Fully automatic vertical sliding door			
Dimensions		Single Door	Double door (optional)
External dimension		120 L	
Device Depth		1000 mm	935 mm
Device Width		740 mm	740 mm
Device Height		1850 mm	1850 mm
Weight		350 kg	350 kg

GOLDBERG H ₂ O ₂ Gas Plasma Sterilizer is designed and manufactured in compliance with the following requirements and standards:	
Medical Device Regulation	: EU 2017/745 MDR Annex VIII Rule 16
Device Classification	: Class IIa, acc. to EU 2017/745 MDR (Annex VIII, Rule 16)
Low Voltage Directive	: EN 60601-1; EN 61010-1; EN 61010-2-040
EMC Directive	: EN 60601-1-2; EN 61326-1
RF Power Generator	: 55011
Quality Management System Requirements	: EN - ISO 9001
Medical Devices – Quality management systems – Requirements for regulatory purposes	: ISO 13485
Environmental Management Systems – Requirements with guidance for use	: ISO 14001



"Type" tests of GOLDBERG H₂O₂ Low Temperature sterilizers are performed and certified by The German accreditation company HYGCEN GmbH.

Device	
H ₂ O ₂ Concentration	59%
Control System	PLC (Programmable Logic Controller)
Operation Mode	Fully Automatic / Button Command
Display Type/Size	LCD Touch Screen, 7,0"/ 10"(optional), Multilingual: Eng, Fr, Ger, Russian, Spanish, Arabic
Key Pad	Touchscreen
Printer	32 Character/line, integrated thermal printer / USB (optional)
Communication	RS232 Port / USB (Optional)
Monitoring&Warning System	Visual & Audio & Printed / Led Indicator On Door for cycle stages/parameters/errors
Memory	200 cycles
Mobility	Easy positioning on 4 castors (2 x swivel) and firm fixing on suspension legs.
Chamber Shape	Rectangular Prism

Standard Programs		Safety & Quality Features	
P1: NON LUMEN	~28-32 Min.	✓ Protection against current leaks&short circuits	✓ Moisture Sensor/ Excess Moisture Alarm
P2: STANDARD	~45-49 Min.	✓ Emergency Stop Button	✓ Overload control with air flow meter
P3: INTENSIVE	~55-58 Min.	✓ Hepa filter (0,01 m) for filtration	✓ Decomposition of H2O2 into water and oxygen via gas plasma, with carbon and exhaust filtration to ensure safe release.
Warming Time:	15 - 30 min	✓ Password for access control	✓ Foot operated door opening

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Temperature

Range 50°C - 60°C (chamber)
Measurement 5 x PT 100 (DIN Class A) Sensors
Door (2) Chamber (2) Evaporator (1)

Chamber

Test Pressure 100 Millitorr
Test Temperature 50-60 °C
Working Temperature Up to 55 °C
Working Pressure 600 Torr - 500 Millitorr

Construction

Body (Sigma Profile)
Chamber (Aluminum 5000 Series)
Door (Aluminum 5000 Series)
Panels Surrounding (AISI 304 Stainless Steel)
Chamber (Plated)

Installation Requirement

Power 4,1 kW,3 Phases /380 VAC±%10

Optional Spare Parts

Cartridge for GP 120.

Installation Conditions

At least 60 cm. space is needed on both lateral sides of the device to provide an effective technical service.

Consumption-Electricity

P1: NON LUMEN ~432 Wh
P2: STANDARD ~535 Wh
P3: INTENSIVE ~667 Wh



For more information, please contact



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EN 15223
EU 2017/ 745
MDR
ISO9001:2015
ISO13485:2016
ISO14001:2015



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