

Low Temperature H₂O₂ Gas Sterilizer GP 160

Technical Datasheet

HYDROGEN PEROXIDE GAS STERILIZER GP160 TECHNICAL DATASHEET

Size of Chamber		Dimensions		Single Door	Double door (optional)
Chamber Volume	160 L	Door Type		Fully automatic vertical sliding door	
Chamber Depth	930 mm	External dimension		160 L	
Chamber Width	450 mm	Device Depth		1350 mm	1165 mm
Chamber Height	400 mm	Device Width		830 mm	830 mm
Number of Shelves (each with 30 kg loading capacity)	2 pcs	Device Height		1850 mm	1850 mm
		Weight		400 kg	400 kg

GOLDBERG H₂O₂ Gas 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	LCD Touch Screen
Display Sizes Available	7,0"/ 10"(optional)
Key Pad	Touchscreen
Printer	32 Character/line, integrated thermal printer / USB (optional)
Communication	RS232 Port / USB (Optional)
Warning System	Visual & Audio & Printed / Led Indicator On Door
Monitoring	Touchscreen
Mobility	Easy positioning on 4 castors (2 x swivel) and firm fixing on suspension legs.

Chamber Shape Rectangular Prism

Standard Programs	
P1: NON LUMEN	~30 Min.
P2: STANDARD	~45 Min.
P3: INTENSIVE	~57 Min.

Safety & Quality Features

- √ Excess Moisture Alarm
- √ Foot-operated door opening

Safety & Quality Features

- √ Protects operator from electrical current leaks.
- √ Emergency stop button.
- √ Hepa filter (0.01 μm) for filtration.
- √ Password protection.
- √ Cartridge consumption: NonLumen 2 capsule/cycle, Standard 2 capsule/cycle, Intensive 2 capsule/cycle
- √ Warming Time: 15 - 30 minutes

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Temperature

Range	50°C - 60°C (chamber)
Measurement	4 x PT 100 (DIN Class A) Sensors
Door (1) Chamber (2) Evaporator (1)	

Construction

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

Optional Spare Parts

Cartridge for 160 Lt.

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	~720 Wh
P2: STANDARD	~840 Wh
P3: INTENSIVE	~960 Wh

Chamber

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

Installation Requirement

Power	5,5 kW, 3 Phases / 380 VAC ±%10
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For more information, please contact

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MDR
ISO 9001:2015
ISO 13485:2016
ISO 14001:2015



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