HERO™

HP MEDIZINTECHNIK

HERO™ STERILIZER 25 M

For military use on ships and boats



HERO™ Sterilizer 25 M

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HP Medizintechnik GmbH offers standard-compliant small steam sterilizers designed specifically for mobile and flexible use on land and water, catering to the needs of military operations and non-governmental organizations (NGOs).



PRODUCT FEATURES

- Usable volume 25 liters
- 7” TouchControl color display
- Control protection rating IP65 (front) in accordance with EN 60529
- Feed water conductivity monitoring
- Minimal use of resources (electricity, water)
- Short cycle times are optimized for maximum process safety and efficiency
- Lightweight design
- Autonomous Operation designed for challenging external conditions and lack of infrastructure
- Long service life, maintenance-friendly



Loading capacity		
Instruments	(kg)	6,0
Packaged hollow devices	(kg)	2,5
Textiles	(kg)	2,5

INTEGRATED PRINTER

- Independent cycle documentation achieved through dual measurement sensors for process control and independent monitoring
- Multilingual reports available in German, English, or French
- The documentation serves as evidence of successful sterilization during the production of medical devices

PRODUCT ADVANTAGES

The HERO™ Sterilizer 25 M features extremely compact dimensions, making it ideal for safe transport and storage during air or sea transit. It is housed in a reusable aluminum transport and storage container (TuLB – hood container), ensuring durability even under rough handling.

Designed with resource efficiency in mind, the HERO™ Sterilizer 25 M consumes minimal electricity and demineralized water. Its air-cooled steam condenser eliminates the need for cooling water.



Quality - Made in Germany



The HERO™ Sterilizer 25 M

- is certified as a **medical device** in compliance with **MDR**
- meets the requirements of **DIN EN 13060** and the international military standard **STANAG 4370 NATO Standardization Office (NSO) - Environmental Testing** and fulfills the **construction regulation BV 0052 for watercraft** of the German Armed Forces „environmental conditions for systems and equipment on ships of the German navy“ (BAAINBw).

VALIDATED STERILIZATION AND TEST PROGRAMS

The HERO™ Sterilizer 25 M is fully validatable in accordance with DIN EN ISO 17665-1. Following a daily routine check, the preheating program ensures constant operational readiness (standby mode).

- For unpackaged instruments
- For packaged instruments and textiles
- Vacuum test and empty cycle
- BOWIE & DICK test
- Cleaning program for the steam generator



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DESIGN

- designed and prepared for operation in various climate zones
- internal design specifically configured for mobile deployment
- an automatic program fully drains all water-carrying components
- in combination with the transport and storage container, this ensures frost protection and enables transport and storage under extreme and challenging climatic conditions





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The HERO™ Sterilizer 25 M is available in various configurations:

- as a stand-alone model with an air-cooled steam condenser and a fixed device base to hold the condensate container
- with a stainless steel base cabinet, featuring a mount for the integrated condensate container and drawers for accessory storage
- sterile containers and wire baskets customized to customer specifications.
- test bodies for air removal control and batch monitoring.

Consumables/Requirements		
Rated current	(A)	16
Mains voltage	(V)	230
Power connection / Frequency	(Hz)	50-60
Supply voltage	(V/Hz)	230/50
Power consumption / Heating power	(kW)	3.5 / 3.0
Compressed air		integrated
Feed water tank	(L)	7
Electrical power consumption*	(kWh)	0.4 / 1.4
Feed water, fully demineralized*	(L)	0.3 / 0.8
*Consumption for empty cycle / at full load		

VACUUM FOR AIR REMOVAL AND DRYING

A powerful vacuum pump removes residual air and moisture from the sterilized items. The large diameter of the line to the pump ensures short vacuum phases and an efficient drying process.





EXTREMELY HIGH HYGIENE STANDARD

- Large steam-sterilizable filter cartridge for sterile ventilation
- Display indicator for sterilization filter replacement
- Wide drip tray beneath the door collects condensate and can be removed for cleaning
- Membrane keypad with completely flat, washable surfaces, including the printer cover

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HP Medizintechnik GmbH develops, manufactures, and distributes equipment for laboratory, analytical, and medical applications.

With over 50 years of expertise in producing laboratory equipment and medical devices, the company has an optimized development and manufacturing structure.

Additionally, HP Medizintechnik GmbH has successfully completed numerous system integrations for the German Armed Forces in the area of "Mobile Reprocessing Units for Medical Devices (CSSD)."



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Technical data 25 M		25 M
Chamber dimensions (ØxD)	(mm)	250 x 490
External dimensions (WxTxH)	(mm)	380 x 680 x 520
Capacity	(liters)	25
Weight	(kg)	80
Loading height above table	(mm)	85
Steam generator (water/total volume)	(liters)	1,5 / 3,0
Simple or fractionated pre-vacuum	(kPa)	from 7
Max. operating temperature	(°C)	138
Max. operating pressure/vacuum (abs.)	(bar)	0 - 4,0
Bowie&Dick-Test	(kPa)	7/20/20
Order No.		805000

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