

Newmed Hera B18 Technical Datasheet

Picture



Code / + ROSI built-in reverse osmosis	HEB10000X00 / HEB10000X10
Description	Horizontal tabletop autoclave suitable for sterilizing both porous and non-porous loads, whether wrapped or unwrapped
Made in	Italy by Newmed S.r.l., Via Lenin 79/A, 42020 Quattro Castella (RE)
BASIC UDI-DI	80024616332548957919357FL
Reg. (EU) 2017/745 Class	IIb
Sterilization agent	Saturated steam
Class of sterilization	B
Capacity	18 L
Features	
Steam generator	As standard
Vacuum pump	As standard
Frontal water filling pump	As standard
Rapid cycle	As standard
Extra dry option	As standard
Built-in USB datalogger	As standard
Wi-Fi connection	As standard
LAN Network	As standard
External label printer	Optional
ROSI built-in reverse osmosis	Optional
Mechanical Data	
Operating temperature	+5°C to +30°C
Cycle temperature	121°C or 134°C
Maximum operating altitude	2,000 m
Maximum relative humidity at 30°C	80%
Maximum relative humidity at 40°C	50%
Overall dimensions (w x d x h)	520 x 670 x 400 mm
Maximum weight with empty tanks	45 kg
Weight per support area	Max 27.5 N/cm ²

Volume	Max 0.15 m ³
Noise level at 1 m distance	53.6 dbA
Noise in front of the display	62.2 dbA
Electrical Data	
Supply voltage	230 V (+/- 10%)
Power	2,400 W
Frequency	50 – 60 Hz
Power cable / length	3 conductors, 1.5 mm ² each / 1500 mm
Fuses	6.3 x 32 mm – 12A/T
Maximum heat transmitted	9.00 MJ/h (2,150 Kcal/h)
Insulation class	1
Chamber Data	
Maximum usage pressure	2.5 bar relative
Maximum usage vacuum	-0.90 bar relative
Maximum usage temperature	140°C
Material	Stainless steel AISI 304 or 316
Dimensions (Ø x D)	236 x 380 mm
Clean Water Tank Data	
Maximum capacity	4 L
Executable cycles	~6
Material	Polyethylene
Dirty Water Tank Data	
Maximum capacity	4 L
Executable cycles	~6
Material	Polyethylene
Maximum discharge water temperature	75°C
Bacteriological Filter Data	
Maximum diameter	56 mm
Maximum allowable filtering capacity	0.03 micron
Filter replacement	Every 250 cycles or every 3 months
Tray Rack Data	
Material	Stainless steel or anodized aluminum
Tray Data	
Material	Stainless steel or anodized aluminum
Tray dimensions (w x d x h)	4x 185 x 285 x 19 mm
Hardware & Software Data	
Non-commercial hardware and software. The software is developed for specific and exclusive use on the proprietary hardware installed in this autoclave	
Degree of Protection	IP21
Standard Accessories Supplied	

4x tray, 1x reversible rack, 1x tray holder, 1x sponge, factory tests, fill and drain tubes

Regulatory Compliance

CE certified according to Reg. (EU) 2017/745 issued by IMQ S.p.A. as Notified Body No. 0051
Dir. 2014/68/EU (Pressure equipment directive) issued by C&P as Notified Body No. 2399

Standards

EN 13060 (Small steam sterilizer)
EN 61010-1 (Safety requirements)
EN 61010-2-040 (Specific requirements for steam sterilizer)
EN 61326-1 (Electromagnetic compatibility)

Company Certifications

ISO 9001 issued by IMQ S.p.A. as Notified Body No. 0051
ISO 13485 issued by IMQ S.p.A. as Notified Body No. 0051

Maximum Load Quantity	2.5 kg wrapped instruments, 4 kg unwrapped instruments, 1 kg textiles
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Offered Sterilization Cycle and Durations

Helix Test (min, steriliz. time: 3.5 min)	25
134°C Bowie-Dick Test (min, steriliz. time: 3.5 min)	25
Vacuum Test (min)	15
134°C Universal-B (min, steriliz. time: 5 min)	27
134°C Quick-S (min, steriliz. time: 5 min)	19
121°C Gentle-B (min, steriliz. time: 18 min)	40
134°C Quick-B (min, steriliz. time: 5 min)	20
134°C Universal-S (min, steriliz. time: 5 min)	32
121°C Gentle-S (min, steriliz. time: 18 min)	43
134°C Prion-B (min, steriliz. time: 20 min)	39

Note: Values include pre-heating and drying; times vary with load and power supply.