Low Temperature Sterilizers PLASMASTER 40 / 80 / 140

The innovative Belimed H_2O_2 low-temperature plasma sterilizers ensure safe and reliable sterilization of thermolabile materials and instruments. The advantages include short processing times, no outgassing time, no danger to people or the environment, gentle treatment of valuable instruments, dedicated and competent service – all from the same supplier.

The PLASMASTER sterilizer 140 is available as one-door (see picture) or two-door version (PLASMASTER 140D). The two-door version is completely integrable in the CSSD.

The procedure is quick and safe

Thanks to the highly effective, safe and environmentally friendly Belimed PLASMASTER, the sterilized material is available for use immediately after sterilization. Outgassing time is not necessary because no toxic substances are used. The H_2O_2 used is converted to natural water vapor and oxygen.

Easy operation and full data traceability

The user-friendly touch panel and clearly spoken status and warning notifications ensure easy operation. Thanks to the standard integrated USB port and printer, all cycle data is recorded and printed. Belimed PLASMASTER sterilizers can also be integrated with the optional Belimed ICS 8535 batch documentation system.

Easy installation, intelligent design

The built-in rollers allow the sterilizer to be easily positioned for use. Only a single phase connection with 230 volts at 50 hertz is required and the sterilizer is ready to operate. Optimized usable chamber volume supports the economical usage of the sterilizer. Via an Ethernet interface technical support and remote diagnostic can be provided.

Belimed
Infection Control

System solutions for cleaning, disinfection and sterilization in the healthcare, pharmaceutical and laboratory sectors

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Technical data

	PLASMASTER 40	PLASMASTER 80	PLASMASTER 140	PLASMASTER 140D
Chamber Chamber shape Chamber dimensions H x W x D (mm) Chamber volume (l) Useable chamber volume (l)	 square 210 x 330 x 640 44 40	 circular Ø 400 x 650 80 71	 square 425 x 425 x 790 142 120	 square 425 x 425 x 790 142 120
Installation External dimensions H x W x D (mm) Weight (kg)	 1600 x 760 x 825 approx. 350	 1675 x 752 x 835 approx. 430	 1671 x 831 x 1012 approx. 600	 1685 x 1055 x 1075 approx. 600 (one-door) approx. 650 (two-door)
Doors	1, manual	1, manual	1, manual	2, automatic
Operation	5.6" full color touch panel with graphic text display and voice activation	5.6" full color touch panel with graphic text display and voice activation	8.4" full color touch panel with graphic text display and voice activation	10.4" full color touch panel with graphic text display and voice activation
Documentation	integrated batch documentation printer, optional connection to the Belimed Infection Control Software ICS 8535	integrated batch documentation printer, optional connection to the Belimed Infection Control Software ICS 8535	integrated batch documentation printer, optional connection to the Belimed Infection Control Software ICS 8535	integrated batch documentation printer, optional connection to the Belimed Infection Control Software ICS 8535
Consumption of H_2O_2 per batch (ml)	4.0 ml	7.0 ml	10.0 ml	10.0 ml

Standard programs

Procedure	Standard program	PLASMASTER 40	PLASMASTER 80	PLASMASTER 140	PLASMASTER 140D
Vacuum phase 1	Initial evacuation of the chamber (min)	4–6	6–7	8–20	8–10
Diffusion phase 1	Automatic injection and diffusion phase (min)	11–13	11–12	21–22	21–22
Vacuum phase 2 and plasma phase 1	Repeated evacuation of the chamber (min)	1–1,5	1–2	1–2	1–2
Diffusion phase 2	Automatic injection and diffusion phase (min)	11–13	11–12	21–22	21–22
Plasma phase 2	Repeated evacuation of the chamber (min)	1–1,5	1–2	2–3	2–3
Degassing and drying phase	Adjustment of the sterilization chamber to room pressure and repeated evacuation of the chamber (min)	4–5	4–5	7–8	7–8
	Total cycling time (min)	35–40	42–45	65–70	65–70

PLASMASTER 40

PLASMASTER 80

PLASMASTER 140

PLASMASTER 140D

Standards and guidelines met

1. European Medical Products Guideline 93/42/EEC
2. ISO 9001:2000 Quality Management Systems – Design, Development and Manufacture
3. ISO 13485:2003 Medical Products – Quality Management Systems – Design, Development and Manufacture
   CE 0120
4. Can be validated in accordance with ISO 14937

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