



Thawing out plasma
Warming blood

Safety and reliability when thawing out and warming of blood and blood products

The Barkey plasmatherm is a device for thawing out and warming of all bagged conserves of fresh frozen plasma (FFP), blood and erythrocyte concentrates (EC), cryopreserved preparations, cryopreserved stem cells (HPC) or infusion solutions.

The Barkey plasmatherm's strengths

- Safe and simple operation even with unpractised personnel
- Provable and documentable thawing out and warming process
- Universal application for plasma, blood, thawing-out of stem cells, continuous operation and user-specific settings (possible without add-on modules)
- Visible and noticeable hygiene due to smooth and enclosed surfaces in addition to rounded corners and edges
- Highest product quality = safe investment
- Leak checks = contamination and infection protection for personnel and patient
- Direct selection for example of blood or plasma
- Menu-controlled user guidance
- Large display with plain text display
- Fully plastic construction = corrosion-resistant!
- Cost-saving and environmentally aware operation

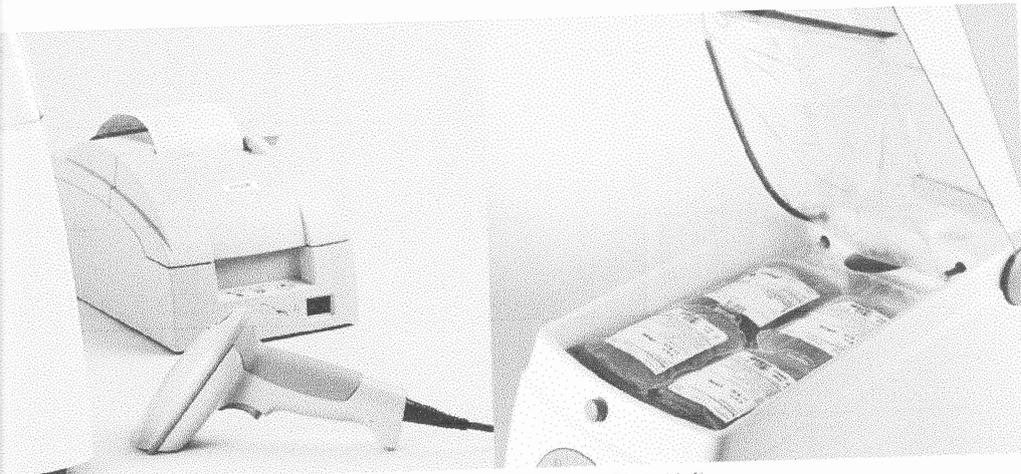
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The optional accessories shown are not included in delivery. Plasmatherm filled with fts.

Further benefits at a glance

Specialities

- Self-test
- Language selection set at works on order

Optionally available accessories

- Ethernet connection
- Barcode reader
- Log printer

Mobile use

- The plasmatherm can be extended with a mobile heated stand cabinet in connection with and additionally available Barkey warming center II.

The hygiene concept

- Clear and unambiguous visualisation of dirt and blood residue through light surfaces on device
- No germ discharge from device into the atmosphere due to circulated air
- Easy wipe disinfection due to smooth surfaces and rounded corners

The safety concept

- Full-surface dry temperature regulation
- Optical and acoustic signal after heating duration is complete
- Retention of biological quality rating of transfusion material due to heating time limitation

- Visual check of conserves during temperature control
- Multiply independent temperature fuses
- Transfusion-compatible warming of blood supplies without movement

Visible hygiene, simple cleaning

- The Barkey plasmatherm guarantees corrosion-free operation due to its unique fully plastic construction.
- The bright, smooth surfaces with rounded internal edges make hygiene processes easier. A unique feature is the integrated leak control with

moisture sensors which signal leakage in the conserves by stopping the program and an optical and acoustical signal, which prevents further transport to the patient in accordance with transfusion regulations.

- The white absorbent dry paper makes blood residues from hose connections easily visible and protects the device operator from possible contamination.
- Blood and blood products remain visible during warming and cannot be forgotten thanks to the transparent cover panels and clear heating cushions.

Type	Barkey plasmatherm
Article number	212.10043
for mains supply	230V / 50Hz, 60Hz
Article number	212.10044
for mains supply	115V / 60Hz
Temperature setting	+37 to max. +45 °C
Interfaces / devices:	Optional Ethernet connection barcode scanner, log printer
Dimensions (WxDxH)	340 x 600 x 320 mm
Weight without filling	18 kg
Filling quantity	9 l
Safety class	I
Certification	CE 0123
Barkey is certified to	ISO 9001 ISO 13485
Made in Germany	

Sold by:

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 Technical amendments and errors excepted
 Version 02



The fastest
plasmatherm
ever

up to
30 %
faster!

Barkey plasmatherm V

The Barkey plasmatherm V thaws FFP and warms blood, erythrocyte concentrates (EC), Octaplas LG® or infusion solutions up to 30 % faster compared to a standard device.

Benefits at a glance

- 6 → Thawing of FFP up to 30 % faster
- 7.1 → Fast thawing thanks to innovative *Smart Motion Technology* of the paddle
- 7.7 | Thaws 4 bags at a time
- 131 | Temperature range between 37–45°C (US: max. +37°C)
- 2 → Electronic documentation via Barkey TCP Logging Tool
- Change of water just once per year
- Dry thawing device (recommended from the BSH*)
- Shortcut programs: blood, plasma, user, Octaplas
- Easy and fast cleaning through wipe disinfection
- Leakage control = lower risk of contamination or infection | 15

* recommended from the British Society for Hematology (BSH): British Society of Haematology Guidelines on the spectrum of fresh frozen plasma and cryoprecipitate products: their handling and use in various patient groups in the absence of major bleeding, in: British Journal of Hematology. 2018, 181, 54-67, p. 69

Barkey plasmatherm V

Accessories

- Documentation software Barkey TCP Logging Tool (via Ethernet connection)
- Bar code reader (optional)

Hygiene

- Low risk of contamination due to dry thawing and warming (no direct contact to water)
- Easy to clean through wipe disinfection

Safety

- 8.
- 77/
- 14 l
- 1st
- Electronic and mechanical overtemperature alarm
 - Adjustable temperature range from +37°C to +45°C (Plasma program; US: max. +37°C)
 - Visual and acoustic signal after heating duration is complete or in case of error
 - Visual inspection due to clear cushions and lid
 - Unique leakage control through moisture sensors prevent contamination and infections



THAWING TIMES*

Temperature	plasmatherm V			
	1 Bag	2 Bags	3 Bags	4 Bags
+37°C	9:00 min	9:30 min	12:00 min	12:00 min
+45°C	7:00 min	7:30 min	9:30 min	9:30 min

* Own measurement: values till „ice-free“, bags used: 600 ml CompFlow by Fresenius, volume: approx. 265 ml; thawing times are always depending on volume, thickness of the bag and folding etc.

Product	Barkey plasmatherm V
Power supply	220-240 V 50/60 Hz or 100-120 V 50/60 Hz
Set temperature (Plasma program)	+37°C to max. +45°C; US: max. +37°C
Dimensions	340 x 600 x 320 mm (WxDxH)
Weight without filling	18 kg

Filling quantity	9 l
Interfaces/Devices	Ethernet connection
MDD classification	Ila
Safety class	I, protective earthing
Certification	CE 0123
Barkey is certified	DIN EN ISO 13485

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