

# BLOOD AND INFUSION WARMER PROTHERM II

NORMAL AND MASSIVE TRANSFUSIONS.

The **protherm II** is a multipurpose device for the warming of normal and massive transfusions or for liquids without risk of contamination. Independently controlled heating zones provide the guarantee for effective and gentle warming.



## BLOOD AND INFUSION WARMER PROTHERM II

- Warming blood and infusions
- Normal and massive transfusions
- Heating liquids without risk of contamination
- Simple, fast and user-friendly operation
- Liquid warmed gently by three independently controlled heat zones
- Permanently running self-tests and error display
- Easy to service with serial interface
- Ergonomic design makes it easily transportable and mountable on all commercially available infusion stands
- Low cost disposables
- Quick readiness for operation
- Low temperature alarm
- Automatic adaption of the heating control system to various media

### TECHNICAL DATA:

<b>Device:</b>	Blood and infusion warmer
<b>Type designation:</b>	protherm II
<b>Voltage:</b>	230 V, 50/60 Hz
<b>Power consumption:</b>	1200 W
<b>Current:</b>	6 A
<b>Type of protection against electric shock:</b>	I
<b>Degree of protection against electric shock:</b>	B
<b>Degree of protection against ingress of liquids:</b>	IPX4 splash proof
<b>Temperature selection:</b>	37°C to 41°C in 0.5°C increments
<b>Safety features:</b>	multiple independent cut-off from 42°C
<b>Warm up time:</b>	40 sec. max
<b>Dimensions:</b>	390 x 278 x 96 mm
<b>Weight:</b>	5 kg
<b>Classification:</b>	IIb according to rule 9
<b>Type of operation:</b>	continuous operation

<b>Accessories:</b>	Heating bag large, complete with bubble trap No. FP 100 3001 Heating bag small, complete with bubble trap No. FP 100 3002
---------------------	--

## PROTHERM II

**BIEGLER GmbH**  
Allhangstrasse 18a  
3001 Mauerbach, Austria

Tel: +43 1 979 21 05  
Fax: +43 1 979 21 05 16  
office@biegler.com  
www.biegler.com

**BIEGLER**  
MEDIZIN ELEKTRONIK

CE  
0123

