

# Coverage where you need it

Service plans for the  
Carpediem™ Cardio-Renal  
Pediatric Dialysis  
Emergency Machine



## Trusted service expertise

Our own team supports the Carpediem™ system — so you can rely on the tailored service you know and trust. Our experts are trained to identify problems and complete repairs for this critical equipment. Regardless of the duration of the service agreement you choose, we're here to help you get the most out of your device.

We maintain device service history logs and details, which help our service engineers determine the appropriate course of action for each situation. Together, we support peak performance for your Carpediem™ system.



## Flexible payment

Our field repair service plan allows you to choose the payment option that meets your needs. Pay for your service up front or on a recurring basis throughout the term of your contract. There are no additional fees regardless of the payment structure you select.

## Genuine Carpediem™ system parts

We use only parts that have been validated and tested to meet original performance specifications.

## All required repairs<sup>†</sup>

All necessary repairs and adjustments resulting from normal operation are included at no additional cost with your service contract.

## Quick and responsive support

Our Equipment Services team is here to help whenever you have technical questions or need to schedule service.

The call center is open Monday through Friday, 8:00 a.m. to 6:00 p.m. CST. Call **1-800-255-6774**, select option 5, then option 1 — or email us at: **RS.ServiceExperience@Medtronic.com**

## Additional terms and conditions

To ensure optimum performance, regular preventive maintenance should be performed on the timely basis specified in the Operator's Manual. The customer is responsible for the scheduling of preventative maintenance.

<sup>†</sup> A list of limited service or repairs not covered by the service plans can be found in the Carpediem™ Equipment Service Contract.

# Carpediem™ system technical specifications

## Pressures

### Arterial pressures

- -400 mmHg to +100 mmHg (operating range)
- Resolution: 5 mmHg | Accuracy:  $\pm 20$  mmHg

### Venous pressure

- -100 mmHg to +400 mmHg (operating range)
- Resolution: 5 mmHg | Accuracy:  $\pm 20$  mmHg

## Heparin pump

### Programmable:

- Continuous: heparin flow from 0.4 to 20 mL/h
  - Bolus: from 0.1 to 3 mL with resolution of 0.1 mL
- Accuracy: 2% with pressure from 0 to 600 mmHg

## Air sensor

### Ultrasound

Alarm threshold at the typical flow rates (less than 35 mL/min) of the blood pump: air bubble  $> 10\mu\text{L}$ . Detection of air bubbles larger than  $15\mu\text{L}$  is assured in all operating conditions.

Accuracy: 5%

## Blood leakage detector (BLD)

### Optical

Alarm threshold for 0.15 mL of blood in 10 mL of ultrafiltrate (hematocrit: 25%) with an effluent flow of 10 mL/min

Accuracy: 0.2% | Override time: 30 seconds

## Flows

### Blood pump flow

Programmable from 2 to 50 mL/min

Resolution: 1 mL/min

Audible and visual alarm activation for pump stop of more than 2 minutes

### Infusion/Dialysis pump flow

Programmable in CVVH:

- from 0 to 240 mL/h for HCD 015 filter
- from 0 to 600 mL/h for HCD 025 filter

Programmable in CVVHD:

- from 0 to 600 mL/h for HCD 015 filter
- from 0 to 600 mL/h for HCD 025 filter

### Effluent pump flow

Programmable in CVVH:

- from 0 to 240 mL/h for HCD 015 filter
- from 0 to 600 mL/h for HCD 025 filter

Programmable in CVVHD:

- from 0 to 840 mL/h for HCD 015 filter
- from 0 to 900 mL/h for HCD 025 filter

### Weight loss flow

Maximum settable weight loss: 2000 g

Weight loss accuracy<sup>†</sup>:  $\pm 30$  g in 24 h

## Electrical

### Power supply

110-120V ~ (+/- 10%), 1 A, 50/60 Hz

### Power absorbed

75 VA in normal conditions of use

135 VA for a second after opening the electroclamp on the return line.

### Battery

One 8.4V 170 mAh NiMH battery

### Electrical insulation

Magnetothermal switch for simultaneous electrical isolation of the machine from the mains.

Nominal input current: 1 A (110-120V),

Breaking capacity (I<sub>cn</sub>): 10 x In

<sup>†</sup> Each time the Calibrate Scales function is executed, the machine has an allowable weight loss deviation of up to 6 grams. Four scale calibration operations per hour are permitted, after which the Carpediem™ machine automatically terminates the treatment.

# Quick reference guide and ordering information

## Capital

CFN Code	Description	Name	UOM
IB7010250	Carpediem™ machine (110-120 V)	Carpediem™ cardio-renal pediatric dialysis emergency machine	1 EA
IB7000020	Warmer BW685 (110-120 V)	BW685	1 EA

## Disposables/Consumables

CFN Code	Description	Name	UOM
IB0580807	Preassembled blood-set included in the Complete kit model 015	BL 250 preassembled device for hemofiltration/hemodialysis 015 for Carpediem™	4 / CT
IB0580808	Preassembled blood-set included in the Complete kit model 025	BL 250 preassembled device for hemofiltration/hemodialysis 025 for Carpediem™	4 / CT
IB0595570	Complete kit model 015	BL 250 hemofiltration/hemodialysis kit 015 for Carpediem™	4 / CT
IB0595580	Complete kit model 025	BL 250 hemofiltration/hemodialysis kit 025 for Carpediem™	4 / CT
MD042	Dialysate Bag/Fluid Bag	HMB32 - ml 500+1500 - Dialysis Solution	4 / CT
IB0507009	Non-sterile waste bag	3L Non-sterile waste bag	20 / CT
4100-X00V0	Syringe	10 ml (12 ml) HENKE-JECT™ Luer Lock	100 / CT
IB0957081	Warmer tubing set	Extension Set 46000	20 / CT

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