

# CARENA™

Machine washable

Purely Finnish design

PATIENT WARD







## The popular Carena is now machine washable

Merivaara's revolutionary and popular Carena bed has all the features required by healthcare professionals, both from the point of view of ergonomics and patient safety. Washable Carena complies with the strictest standards and hygienic criteria. The new special Carena model is suitable for the demanding conditions imposed by machine washing. Additionally, its antibacterial coating reduces bacterial growth on the frame. Therefore, Carena is an ideal choice, both in primary care and ER and in long-term care.

## For the benefit of medical personnel – easy to use, easy to care

Carena has been designed to fulfill the requirements of healthcare professionals – the wide variety of standard and optional features of the bed improve ergonomics and facilitate the demanding work of medical personnel. The design of the mattress base, the ergonomic brake pedals and the foldable bed end option make this bed the favourite choice of nursing staff.

Furthermore, designers have paid special attention to the manoeuvrability of the bed, patient weight requirements and castor material, to guarantee effortless transportation of the bed. Thanks to its carefully selected features, the Carena bed is amazingly easy to move, even with heavy patients on it, and its transportation to and from the machine washing line is also effortless.

- Ergonomic
- Easy to care
- Long life-cycle



The bed in the picture is a standard Carena bed.

# Washable Carena complies with the strictest standards and hygienic criteria

The new machine washable Carena hospital bed complies with standard EN 60601-2-52 on medical beds, and it meets the criteria of section 201.11.6.6.101 on “Machine washable medical bed”.

The frame structure coating meets the class C5-M criteria of the ISO 12944-6 standard “Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 6: Laboratory performance test methods”. The criteria of class C5-M correspond to the severe environmental conditions of 15 years in marine climate.

The requirements set by washing with water have been paid special attention to when designing the electrical components. The ingress protection class of the washable Carena is IP66W, which indicates improved encapsulation of the electrical components.

When selecting the materials and mechanical structures of the bed, emphasis was placed on the machine washable and antibacterial qualities of the bed.

## Special features

- Corrosion protection of the bed frame
- Ingress protection class IP66W
- Antibacterial coating
- Dual castors

## Benefits

- Anti-rust qualities
- Increased service life of the electrical components
- Prevents bacterial growth
- Easy to move







## For the benefit of patients – a safe and ergonomic choice

Carena provides patients with best-in-class ergonomics. The bed was designed keeping in mind the increases in the average weight of patients and in the relative number of elderly patients. The minimum height of Merivaara's Carena bed makes it easier for short patients to climb in and out of the bed on their own. The safe working load of the bed is 330kg, which means the bed is safe for obese patients, as well.

Correct and variable treatment positions are crucial for patient comfort, and they are easy to carry out with the four-sectional mattress base. The unique lifting mechanism enables the use of the Trendelenburg adjustment, even in the lowest position of the bed.



### Features

- High safe working load (SWL) 330kg
- Height adjustment 340-855 mm (with 150 mm castors)
- Light brake system
- Four-sectional mattress base, electrical adjustments
- Wide array of accessories

### Benefits

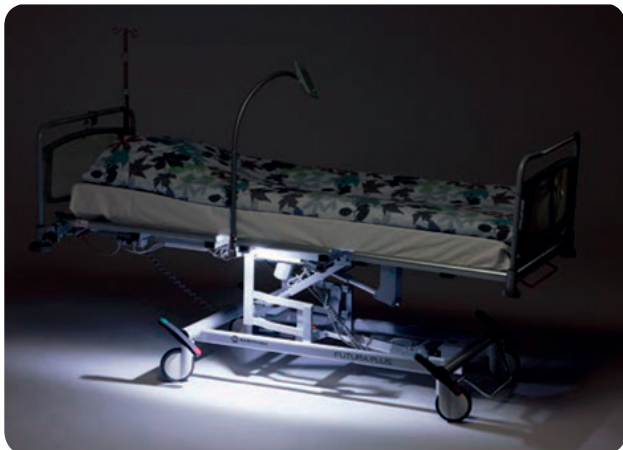
- Suitable for large patients
- Unparalleled patient and nurse ergonomics
- Exceptional manoeuvrability
- Wide variety of positions that support treatment
- Patients can adjust the bed on their own



Correct and variable treatment positions are crucial for patient comfort, and they are easy to carry out with the four-sectional mattress base. Climbing in and out of bed has been made easy for the patients.



The Trendelenburg position is often used to support postural care. The vertical raising motion does not require additional space, which means the position can be changed, even in tight surroundings. The unique lifting mechanism has been patented.



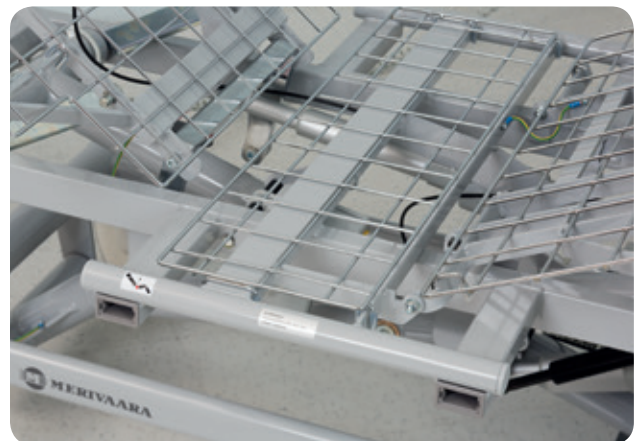
The optional night light improves safety, also during dark hours. Bed in picture is Futura Plus, the light is the same as in Carena.



The optional patient panel can be used as a handy reading light. Bed in picture is Futura Plus, the control panel and light is the same as in Carena.



The design of the brake pedal facilitates the locking and releasing of the brake. The dual castors make the bed easy to manoeuvre.



The mattress base of the washable Carena is made of metal net.





## Factory assembled and optional accessories

### Bed end options



#### Standard 85cm, A42179800

- light blue (RAL 5024)
- blue (RAL 5023)
- lilac (RAL 4012)
- white (RAL 9002)
- light green (RAL 6021)
- red (RAL 3020)
- yellow (RAL 1003)
- beige (RAL 1015)
- beech
- birch



Foldable bed end,  
85 cm, A42179900



Ergonomic bed end (height 48cm),  
85 cm, A42180200

Ergonomic bed end (height 40cm),  
85 cm, A42180300

Ergonomic standard bed end, 85cm,  
A42189900

### Side rail options



One-sectional, foldable rail  
A41974400

- chromed
- painted silver RAL9006



3/4 rail A42362500

- chromed
- painted silver RAL9006
- painted white RAL9002

### Frame colour



#### Standard:

- Antibacterial silver  
(RAL 9006)

### Castors



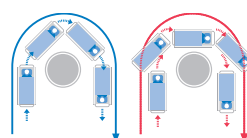
#### Castor options

- 150mm  
dual castor

#### Brake options

- 2 brake pedals at foot end
- brake bar at foot end
- 4 brake pedals at head end and foot end

#### Optional fifth wheel, A41856300



The image on the left demonstrates how the turning radius of the bed decreases with the fifth wheel. The right hand side image shows the turning radius without the fifth wheel.



## Other accessories

### Mattress options



Basic  
2000x850x120  
100000934

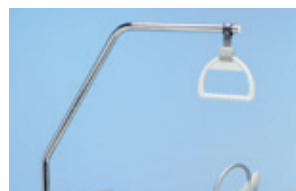


Mediflex Safe mattress  
2000x850x130  
100000943  
Also available as a  
rescue mattress



Mediform mattress,  
visco-elastic  
2000x850x130  
100000949  
Also available as a  
rescue mattress

### Patient supports



Lifting pole with handle  
A41884100  
Adapter A42193400



Grab handle, A41842500  
Adapter A42066600

### Baskets



Utility basket secured to the frame,  
A41955500



Journal basket, 128009784

### Infusion rods



2 hooks  
100005780



4 hooks  
100000499



Infusion bag holder for  
lifting pole, 100000713

### Electrical components



Battery,  
A41956300



Attendant control  
panel TLB,  
A41987800



Nurse's control panel,  
A42968600

Patient's control panel, reading  
light and under bed light,  
A42968700

(Image on page 5)

## Other accessories

### Other brackets and holders



Mattress support,  
A41986900



Hook for electric cable,  
A41987307  
  
Holder for hand control,  
A42274500  
Adapter A42066600



Oxygen bottle holder 5 kg,  
100005870



Drainage bag holder,  
A42097900



Urine bottle holder, 128009790



Adapter for the grab handle and the patient's control panel,  
A42066600

### Other



Leveller,  
A42068000



Arm rest, 100000127



Foldable push bars,  
100009756



Accessory rail, 1 pc  
100000701  
  
Brackets,  
A41980200

Please note the accessories are originally intended for the standard Carena bed, and they have not been designed for machine washing (except the dual castors).

## Technical data

### TECHNICAL FEATURES

Frame	Epoxy coated, antibacterial
Mattress base	4-sectional, metal net
Mattress base width	Standard 850 mm (mattress 850 mm); also available in 800 mm (mattress 800 mm) and 900 mm (mattress 900 mm) <sup>1)</sup>
Bed length	2154 mm (without bumpers)
Minimum height	340 mm (with 150mm double castors)
Maximum height	855 mm (with 150mm double castors)
Bed weight	100–110 kg
Back section adjustment	0° – 70°
Leg section adjustment	-24° – +29°
Trendelenburg	12°
Reverse Trendelenburg	6°
Maximum patient weight without accessories	310 kg
Safe working load (SWL)	330 kg

### ADJUSTMENTS

Height	Electrical
Back section	Electrical
Leg section	Electrical and manual
Trendelenburg	Electrical and manual

<sup>1)</sup> For more information on the special assemblies of the washable Carena, please contact Merivaara or your nearest Merivaara representative. Contact information: [www.merivaara.com](http://www.merivaara.com).



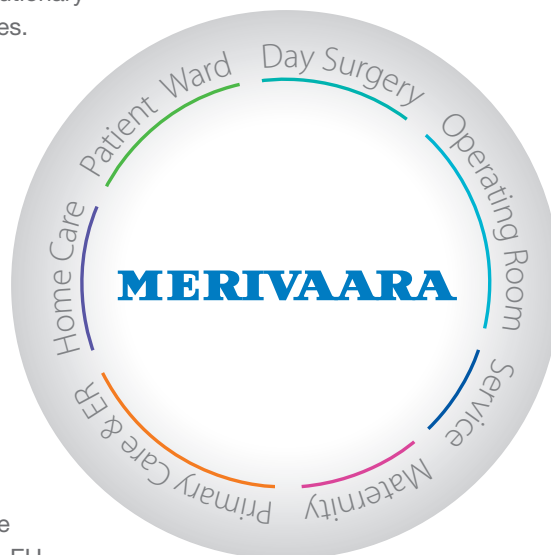
## Solutions for efficient physical patient flow and well-being

Merivaara provides a wide range of hospital-grade furniture such as operating tables, medical lights, examination tables, trolleys and stretchers for transportation and day surgery, as well as birthing and patient beds. Additionally, our new concepts include both revolutionary integrated management systems and after-sales services.

Our versatile solutions and product offering enable convenient and cost-effective physical patient flow within the hospital, in day surgery and health clinics, as well as in nursing homes and home care. Our priority is to enhance comfort and well-being of both patients and their caregivers.

Established in 1901, Merivaara has more than 100 years of experience in designing and manufacturing hospital-grade furniture. Today our products are highly appreciated by users in more than 120 countries thanks to their ease-of-use, durability and ergonomic design.

Merivaara's medical products are CE-labelled and the company's quality management system complies with EU directives for medical device. It is certified by DNV according to ISO 9001:2008 and ISO 13485:2003 standards. The company's environmental management system is ISO 14001:2004 certified.



Merivaara Corp.  
Puustellintie 2, FI-15150 Lahti, FINLAND  
Tel. +358 3 3394 611, fax +358 3 3394 6144  
merivaara@merivaara.com  
www.merivaara.com

The status of the information, specifications and illustrations in this publication is indicated by the date of publication. Whilst the greatest care has been taken over its compilation, Merivaara Corp. is not responsible for any errors or omissions. Merivaara Corp. reserves the right to make changes to the technology, features, specifications and design of the equipment and models without notice. Please check the Merivaara website for the latest updated specifications and other information.

All trademarks are Merivaara property unless otherwise stated. Patents granted or pending.