

CARITAL OPTIMA

CLINICALLY PROVEN MATTRESS SYSTEM FOR PRESSURE INJURY & PAIN MANAGEMENT

Ensuring Comfort and Care



The Carital mattress range features the unique Air-Float System® - double cell structure and reactive adjustment technology. The mattress system reduces interface pressure and tissue strain to the minimum in all patient positions which makes it ideal for very high-risk immobile patients treated in hospital intensive care and medical/surgical departments.

All Carital systems have unique tunnel formed cells which adapt precisely to body contours. The inner cells are connected together forming three adjustable zones (head, middle, foot). The mattress reacts automatically to the patient's weight, profile and position, redistributing this over a larger area to reduce the contact pressure to a minimum.

Regardless of patient weight (15-661 lbs.), Optima adjusts itself precisely and automatically and is the most easy-to-use motorized specialty mattress on the market. It has no contraindications and can be used in the treatment of the most severe grade 4 pressure injuries.

Optima's unique efficacy in the treatment of severely ill, very high-risk ICU patients has been proven in a randomized clinical trial at the university clinic of Kuopio, Finland. Healthcare professionals also praise the simplicity and benefits of Optima in the treatment of patients suffering pain. Many years of experience of thousands of systems in use reinforces Optima's reputation for high quality and long trouble free life.



OakMed Products is pleased to be a distributor and the exclusive importer of the Carital range of products in the United States of America.



CARITAL NEO

NEONATAL INTENSIVE CARE SYSTEM

- Superior Pressure Management
- Effective Prevention of Stress and Pain
- ECMO: Unique Stability and Support

As a result of the immature skin neonatal ICU patients run a very high risk of developing tissue damage. Even though the weight of the newborn is low, the contact pressure exerted on the immature skin can be high enough to disturb the capillary circulation. The tissue oxygen supply may be prevented and the neonate may develop tissue damage.

Pressure exerted to the skin causes also pain and stress to the neonate. Indications of neonatal pain are e.g. increases in pulse and breathing frequencies, decrease of the blood oxygenation, crying and facial expressions. The solution is to use the unique Carital Neo specialty pad. The pressure relieving properties of the Carital Neo are excellent. While in use, Neo helps to efficiently reduce the risk of tissue damage and somatic pain.



The computerized Neo Controller adjusts the cell system automatically. The controller is positioned outside the incubator on a table or hanging from a wall rail. The system is silent and easy to use. The Neo cover is made of a specialty textile. The material is breathable but waterproof. The cover can be wiped clean or washed according to the instructions for use.



The efficiency of Neo is based on the reactive Carital Air-Float System® technology. The tunnel formed air cells are connected together forming three adjustable zones (Head, Middle, Foot). The cell system reacts to the weight and position of the patient, distributing the pressure over the whole specialty pad.

Technical Data

Mattress size	according to incubator/ infant warmer
Patient weight	1-13 lbs.
Material (cells)	TPU
Mattress cleaning	Disinfection by wiping
Controller	13 x 5 x 3 inches, 5 lbs.
Specialty cover	Incontinence
Cover cleaning	Max. 203°F

CARITAL OPTIMA JUVE

THERAPEUDIC SUPPORT SYSTEM FOR PEDIATRIC BEDS (AGES 3-12)

- Unique Pediatric Pressure & Pain Management
- Superior Therapeutic Support System
- Unique Double Cell Structure

The care of immobile children requires a unique solution. When a child is immobile, due to sickness, the contact pressure exerted on the skin can be high enough to disturb the capillary circulation resulting in skin damages.

The Optima Juve is a speciality mattresses which is suitable for acute care as well as long term use in pediatric patients (ages 3-12). The sizes of Juve pressure care mattresses are smaller compared to adult mattresses but their technical structure, functionality and therapeutical efficacy are precisely the same as those of the clinically proven Optima. Juve can be used for the treatment and prevention of pressure injuries in children. It can also be used for pain management and is a superior therapeutic support system for pediatric intensive care.



Technical Data	
Mattress size	26 x 61 x 4 inches
Patient Weight	14 - 176 lbs.
Material (cells)	TPU
Mattress cleaning	Disinfection by wiping
Controller	13 x 5 x 3 inches, 5 lbs.
Specialty cover	Incontinence
Cover cleaning	Max. 203°F

CARITAL OPTIMA CLINIC

PRESSURE SUPPORT SYSTEM WITH A CPR VALVE

- CPR Friendly System
- Suitable for Patients at-risk of Cardiac Arrest
- Same Unique Benefits as the regular Optima System

The Optima Clinic is a special version of the Optima that incorporates a CPR valve. This system includes a coupler with a CPR-tag connected to the left side of the Controller as pictured below.



The Carital Optima is a closed air cell system where the patient lies stable on the mattress. In the event of cardiac arrest, CPR can be carried out immediately on the surface of an Optima Clinic mattress by simply pressing the grey thumb latch on the CPR-coupling and pull it in order to deflate the middle part of the mattress. Once this has been done, CPR can be carried out on the patient. As soon as the patient is stable, the mattress can be reinflated with ease by replacing the coupling to the Controller.

Technical Data	
Standard sizes	28/31/33/35 x 75/79/83/87/91 x 5 inches, 7kg
Patient Weight	up to 661 lbs.
Material (cells)	TPU
Mattress cleaning	Disinfection by wiping
Controller	13 x 5 x 3 inches, 5 lbs/
Specialty cover	Incontinence
Cover cleaning	Max. 203°F

CARITAL OPTIMA CONTROLLER

PRECISE ADJUSTMENT, EASY TO USE

The Optima Controller is compact, light and quiet in operation. Regardless of the patient's weight (1 to 661 lbs.), the Controller adjusts the mattress surface automatically and precisely with ease. Each Optima system carries its own controller, unique to the specific system and purpose.

The system reacts to the patient body weight, profile and position, adjusting the mattress to the correct ratio in order to

redistribute the patient's weight over the surface area to reduce contact pressure to a minimum. Each zone (Head, Middle, Foot) is monitored by a pressure sensor which responds to patient movement. The pump operates on demand and the system includes a built in battery for continued use during patient transfers. The mattress also comes standard with an incontinence cover.

