

# Optima Prone

Labor-Reducing, Face-Depressured-  
Lowering prone positioning workflow complexity and  
improving pressure injury prevention



Be well, Live well

**Wellell**

# Optima Prone

## Prone Position Solution

A staggering 75% of COVID-19 ICU patients require intensive treatments for severe respiratory distress involving mechanical breathing support.<sup>1</sup> The 74% mortality rate from severe respiratory distress-associated COVID-19 cases<sup>2</sup> overwhelms global healthcare systems, leading to a devastating shortage of resources and imposing complexity and burden on intensive care units and prone positioning therapy management.

Proned and intubated COVID-19 patients undergo prone treatments for an average of 5 hospital days. However, as proning results in a higher risk of developing pressure injuries (PI), these patients may require 3 more hospital days to treat PI-related complications,<sup>3,4</sup> reducing the nurse-to-patient ratio further.<sup>5</sup>

Optima Prone's head-to-toe pressure alternation, mechanical apparatus for assisting single-caregiver head repositioning, personalized pressure care with individual air cell deflation, and a unique facial pillow with sculpted ear pocket reduces caregiver workload and risks of pressure injuries, improving patient outcomes.



## P revent Patient & Caregiver Injury

### Simplify Head Repositioning

Mechanically supporting shoulder lifts while creating space below the patient's chin decreases the caregiver's workload and risk of obstructing airway tubing, allowing the single-caregiver to perform head repositioning safely and efficiently.

### Prevent Pressure Injury Risks

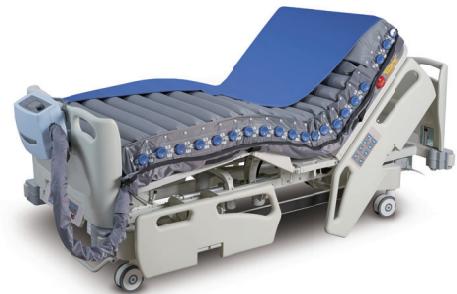
Combining a unique headrest (facial pillow, sculpted ear pocket, and alternation pressure), a personalized pressure care system (individual air cell deflation), and cell airflow tracking prevents pressure injury risks, improving patient outcomes.

### Manage Airway & Fluid Tubing

Deflating individual air cells to guide proper airway and fluid tubing organization prevents potential obstructions or displacements to hemodialysis flow and catheters, reducing the burden on the caregiver's workflow.

### Access to Controls via Interface

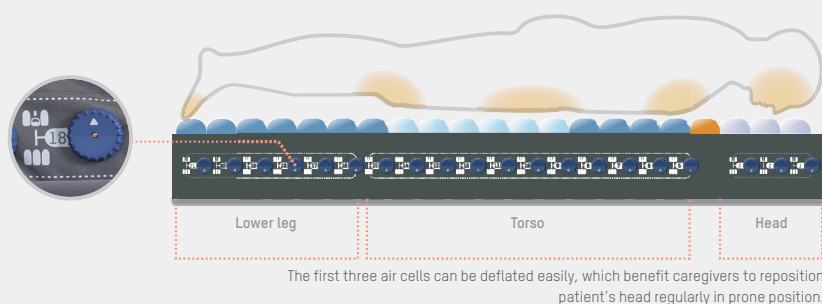
Visual interface with LCD enables quick access to controls such as alternating and zone pressure settings, therapy timer, shoulder lift apparatus, and alarm system settings, simplifying patient care for caregiver across all experience levels.



# Clinical Application

It demonstrates significant pressure redistribution to fit different patient contours with stability and comfort by providing different air pressure levels in head, torso, and lower leg sections. Moreover, with the ability to offload each of the 20 numbered air cells individually, a more tailored pressure area care can be prescribed.

Early prolonged prone-positioning treatment for respiratory-distressed patients improves blood oxygenation (PaO<sub>2</sub>/FiO<sub>2</sub> ratio), prevents further complications, and reduces mortality rate, acute care admissions, and in-hospital days.



Besides, Optima Prone pump comes with below advantages:

- Intuitive Auto-Sensing Technology
- Auto Seat Inflation
- Head Reposition Mode (10 mins)
- Shoulder Lifting Mode

## Specifications

| Model           | Optima Prone              |   |
|-----------------|---------------------------|---|
| <b>Pump</b>     | Dimensions                | 34.1 x 16.5 x 26.0 cm   |
|                 | Weight                    | 4.5 kg / 9.9lbs ; 5 kg / 11lbs (With battery)                               |
|                 | Case Material             | Flame retardant ABS   |
|                 | Supply Voltage            | 220-240V/50 Hz; 110-120V/60 Hz  |
|                 | Operating Cycle           | 10, 15, 20, 25 min.   |
| <b>Mattress</b> | 8 " Replacement           |   |
|                 | Dimensions                | 200 x 80/85/90 x 20.3 cm  |
|                 | Cell Height               | 21 QubiCells (20 of them are equipped with deflation function individually) |
|                 | Weight                    | 14 kg / 30.8 lbs  |
|                 | Cover Material            | 4-way stretch PU  |
|                 | Cell Material             | TPU   |
|                 | Maximum Patient Weight    | 250 kg / 550 lbs  |
|                 | Flame Retardant Standards | EN 597-1 & EN 597-2   |

Specifications are subject to change for improvement without notice

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