Dolphin 900T Long Term Care

Wound Systems’ breakthrough fluid immersion simulation technology was developed for the U.S. Navy to transport military dolphins. Now, long term care patients benefit from this innovative technology.
LONG TERM CARE

A pressure wound management solution unlike any other.

The dynamic pressure redistribution principal of the Dolphin 900T multi-surface system creates a new wound care standard through continuous, comfortable and economical wound management solutions.

Our innovative fluid immersion simulation technology essentially “floats” patients on computer-regulated pads that automatically adjust and re-adjust at numerous pressure points in accordance with the unique weight and contours of each patient. This maintains proper tissue symmetry to sustain blood flow, alleviate pressure pain and reduce the occurrence of pressure sores. As the only portable multi-surface pressure redistribution system in the world, the Dolphin 900T provides supportive therapy throughout the long-term care environment.

Optimum comfort and quiet

The revolutionary Dolphin 900T not only relieves soft tissue strain and stimulates tissue blood circulation, but the surface system also maintains a three-dimensional environment for a restful experience.

Contrary to the disruptive rotation of all other alternating pressure mattresses, or the intrusive noise inherent in other products, the Dolphin 900T is self-regulating and quiet. This solution effectively prevents and treats wounds in a manner that maximizes patient comfort and allows for uninterrupted sleep.

Featuring superior technology

Sophisticated pressure redistribution technology provides three-dimensional support of patients, eliminates tissue distortion, and diminishes interface pressures—adhering to the WOCN industry suggested level of 32 mmHg. The software-based, intelligent Dolphin 900T utilizes the unique Archimedes Linker algorithm to accurately measure a patient’s weight and body contour. The technology then uses the data to examine and respond automatically to patient motion as needed every 11 seconds. Our superior technology provides continuous support for optimal patient-to-surface contact with reduced pressure.

Offering an economical solution

The Dolphin 900T fits your existing equipment—beds and wheelchairs—to preserve your investments, and helps ensure continuous wound care in the most cost-effective way. Facilities find lower nursing staff costs because of reduced healing time incurred. Adequate prevention also means lower insurance costs for pressure sore treatment. Administrators realize daily cost savings though using the Dolphin 900T.

Providing continuity of care

The Dolphin 900T also offers a wheelchair system. When the patient moves from the bed to the wheelchair, pressure relief continues uninterrupted, and wounds continue to heal.

The Dolphin 900T solution is entirely portable, weighing only 10 pounds. And the Dolphin 900T comes complete with an internal 12 Volt DC battery reserve that lasts up to four hours—an exclusive backup feature not available with any other solution.

A gift from dolphins . . .

Today’s Dolphin 900T solution applies the fluid immersion simulation technology developed to transport U.S. Navy warrior dolphins over long distances in a healthy, dry environment. This totally new surface technology, a major breakthrough for safe and effective marine mammal transportation, is just as remarkable as a system to help healthcare providers manage pressure wounds for their human patients.

By using microprocessor and sophisticated dynamic pressure waveform analysis software, the system analyzes the anthropometric characteristics of the dolphin, or patient, “in suspension” in a three-dimensional volumetric format. This information enables the Dolphin 900T to provide the appropriate pressure-to-surface support that eliminates soft tissue strain and bone-to-muscle compression that harms dolphins and leads to pressure sores in humans.

The same technology that cared for dolphins traveling around the world now takes wound treatment and prevention to an extraordinary level of automated care never before possible.
Deborah Postell, RN, CWN  
Wyndridge Health and Rehabilitation Center  
Crossville, TN  
“The Dolphin Mattress has reduced our in-house wounds by 80% in just two months. Our wound care budget has been drastically reduced thanks to the Dolphin Mattress. We require less ‘nursing hours’ for treatments, documentation, dietary supplements, and wound care supplies. Families report greater ‘comfort’ for their family members once they have been placed on this mattress.”

Christopher Morrison, MD, CWS, FACHM  
St. Petersburg, Florida  
“In my years of practice as a wound care specialist, I’ve never seen a product that improves healing rates, patient comfort levels and cost savings as well as the Dolphin 900T does. Its technology is second to none and should become the new standard of care for pressure ulcer treatment and prevention.”

The Dolphin 900T fluid immersion simulation technology difference.
System Elements (Standard)
- Air controlled fluid simulation unit
- Air mattress replacement
- Wheelchair seating system

Modes of Operation
- Normal cycle (float)
- Pulsating 10-minute cycle
- Pulsating 20-minute cycle
- Pulsating 30-minute cycle
- Hard mode

Pressure Range
- Modes which pulse the mattress bladder can be adjusted on a range from 10 to 30 mmHg in 1 mmHg step.
- Hard mode is pre-set to 50 mmHg.

Optional Surfaces
- Mattress overlay
- Surgical table overlay
- Ambulance stretcher overlay

Optional Features
- External input for 12 VDC (power chairs)
- External input for 24 VDC (aircraft)

Power
- 115 V/60 Hz or 220V/50 Hz
- Automatic switch-over to battery power upon power outage
- Automatic charging of battery
- 15-foot cord with hospital-grade plug

Battery Power
- Internal 12 Volt DC reserve
- Two hours minimum, four hours typical

Dimensions
- Controller: 15”W x 7.5”H x 5.5”D
  (38.1cmW x 19.05cmH x 13.97cmD)
- Mattress Replacement: 80”L x 37”W x 9”H
  (203cmL x 94cmW x 22.86cmH)

Weight
- Controller: 10 lbs. (4.54 kg)
- Mattress Replacement: 11 lbs. (4.99 kg)

Meets
- UL 2601-1 and CSA

About Wound Systems
Wound Systems, based in Atlanta, GA, is a physician-owned and operated company with distribution rights for Dolphin 900T surface systems. The company is committed to providing comprehensive, cost-effective wound care strategies and solutions to hospitals, extended care facilities and home health organizations.

The Dolphin 900T is the most therapeutically advanced support surface system on the market. To learn more about how you and your patients will benefit from the Dolphin 900T systems, call 1-866-949-6863 today.