LUMENAIR™
EECP® Therapy System

DELIVERING A NEW AIR OF CONFIDENCE

The all-in-one Lumenair™ EECP®®Therapy System is the state-of-the-art enhanced external counterpulsation system from Vasomedical, the world leader in external counterpulsation technology.

Backed by years of clinical research and numerous published data, the Lumenair™ system incorporates the proven performance of EECP® technology in a sleek, self-contained unit that is easy to use and fosters patient confidence, comfort and compliance.

ADVANCED TECHNOLOGY

- Unique, proprietary timing algorithm based upon years of clinical data and expertise.

- Patented pneumatic system delivers optimal therapeutic pressure consistently, safely and comfortably.

- Close-loop pressure stabilization system monitors air pressure beat by beat and ensures consistent effective treatment pressure over a wide range of heart rates.

- AutoChart software automatically captures patient treatment data during EECP®®therapy. A summary of timed snapshots, which include ECG and plethesmograph waveforms taken at varying intervals, can be printed or stored electronically.

CONVENIENCE AND EASE OF USE

- Color touch screen display provides a simple, convenient and efficient way to monitor the patient while controlling system operation. All information and treatment controls displayed on one screen.

- Integrated work station and display, which can be mounted on either side of the table.

- ComfortCurve™ treatment table top with quality foam mattress and pillow provide better patient positioning for comfort and compliance.

- Small footprint allows system to fit in most treatment rooms.

- Twilock™, a proprietary cuff quick connect/disconnect system enables easy change of cuffs between patients.

Vasomedical®

VASOMEDICAL® - LUMENAIR™ EECP® THERAPY SYSTEM SPECIFICATIONS

ECG Amplifier

Input impedance:	>2 MΩ
Common mode rejection ratio:	>90 dB
Bandwidth:	1-20 Hz on display

SpO2 Oxygen Saturation

Oxygen saturation range: 0 to 100%

Accuracy Sp02 (± 1 Standard Deviation)

70–100% ± 2 digits for adults using the Finger Clip Sensor

70–100% ± 3 digits for adults using Flex or Reflectance Sensors

70–100% ± 4 digits using Ear Clip Sensor

Below 70% is not specified for all sensors

Triggering Method

External trigger:	R-wave of patient ECG
External trigger ratio:	1:1 or 1:2
ECG trigger range:	35-125 ±1 bpm

Filter Technique

Low-pass digital filter eliminates 50/60 Hz and high frequency interference.

Treatment Pressure Range

Adjustable from 80-300 mmHg

Cuffs

Each set includes calf, lower thigh and upper thigh/buttock cuffs.

Table Safe Working Load

400 lb (180 kg)

Treatment Session Timer

Set treatment time up to 60 minutes maximum. System automatically stops when set time expires

System Protection

Three circuit breakers — Mains and compressor, and a built-in circuit breaker in the power switch on the front panel

Patient Protection / Safety

▸ Automatic inflation stop and pressure release on early extra systole.

▸ Automatic treatment stop and pressure release if power outage occurs.

▸ Automatic high-pressure limit.

▸ Automatic treatment stop if heart rate goes out of range (35-125 bpm).

▸ Emergency stop hand-held button (actuated by patient).

▸ Alarm with auditory signal on stop events (except a power outage).

Equipment Dimensions and Weight

Height:	42″ (107 cm)
Width:	34″ (87 cm)
Length:	78.5″ (200 cm)
Weight:	550 lb (250 kg)

Operating Voltage Requirements (switch selectable)

115VAC, 50/60 Hz, 20A

230VAC, 50/60 Hz, 15A

Operating Environment

Temperature:	50 to 104° F (10 to 40° C)
Relative Humidity: (no condensation)	30 to 75%
Atmospheric Pressure:	700 to 1060 hPa
Atmosphere:	Free of corrosive gas

Transport and Storage Environment

Temperature:	14 to 140° F (-10 to 60° C)
Relative Humidity:	30 to 85% (no condensation)
Atmospheric Pressure:	500 to 1060 hPa
Atmosphere:	Free of corrosive gas

nqa. ISO 9001 ISO 13485 INTEGRATED MANAGEMENT

ANAB ANSI National Accreditation Board ACCREDITED MANAGEMENT SYSTEMS CERTIFICATION BODY

USFDA Cleared

Vasomedical