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.

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.
**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 SpO2 (± 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: 30 to 75%
- (no condensation)
- 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

**Management System**

**USFDA Cleared**