

RENEW NCP-5

Product Specification



NCP-5 designed for use with Stable Angina Patients.



6psi pressure capability

The Renew NCP-5 is programmed to deliver up to 6psi (300mm/mg) of pressure. This can be adjusted at all times during therapy in order to optimise the benefits without sacrificing patient comfort.



Superior comfort

The Renew NCP-5 treatment bed has been developed by design engineers to accommodate all body shapes and sizes comfortably. The inflation and deflation of the pressure cuffs has been described as feeling like a leg massage.



ECG Gated

The Renew NCP-5 software uses the ECG-Input in order to 'trigger' inflation and deflation of the cuffs in time with the appropriate parts of the cardiac cycle. This results in a more functionally effective increase in blood flow.



Simple user interface

Everything about the Renew NCP-5 is designed for ease of use:

- Large 15.6 inch colour monitor
- Cuffs configured to fit all sizes
- Runs on standard 115-VAC power, so you can plug it into any power outlet in your clinic
- User interface runs on Microsoft Windows to make treatment sessions easier.



Quiet

The Renew NCP-5 has been specifically designed to run quietly, and cool – so there's no distraction or annoyance to patients or staff.



Foldable and compact

Unlike other ECP machines, the Renew NCP-5 folds to a compact, portable size that's easy to move between treatment areas, and position where it's most convenient. Renew NCP-5 provides the same effective ECP treatment as large, stationary units.

Renew NCP-5 Specifications



Treatment Pressure and Duration

- Up to 6.0 psi
- Treatment duration timer
 - Eleven pre-set treatment time options 10mins to 60min

Renew NCP-5 Functionality

- Automatic firmware detection of the QRS complex and R-wave
- Automatic inflate / deflate stat time setting ensures that counter pulsation occurs only during diastole. A push button switch allows manual fine-adjustment of the inflation / deflation times
- Not filters and band-pass filters eliminate electrical interference to the cardiac signal
- Software options provide ability to review treatment data or individual ECG events that occurred during treatment or previous treatment sessions

Operating Environment

- Temperature: 16°C to 30°C (60.8°F to 86°F)
- Humidity: 30% to 70% RH (non-condensing)
- Barometric Pressure: 80kPa to 100kPa (equivalent to 0m to 1,981m elevation)
- Absence of electromagnetic interference in the area (such as MRI device)
- Free of flammable gases and liquids, including anesthetics

Equipment Dimension and Weight

- Renew NCP-5 Unit
 - Dimensions when ready for use: 1930mm(L) x 718mm(W) x 927mm(H)
 - Dimensions when folded: 953mm(L) x 718mm(W) x 965mm(H)
 - Weight: 102kg (225lbs)

Power Requirement

- 100V-24-V at 50/60 Hz with a power rating of 1400W 3 wire electrical outlet depending on the county specific requirements

Electrical and Mechanical Safety Feature

- Factory-set pressure relief valve to prevent patient exposure to excessive cuff pressures
- Operator and patient access to an Emergency Stop button
- Automatic deflation of cuffs when power loss of system shutdown occurs
- Electrical isolation circuitry for patient protection
- No activation of pump unless system software and laptop are operating

Software Safety Features

- System will be alerted and inflation / deflation will be suspended in any of these events
 - If heart rate exceeds the normal rename of operation (< 36 BPM or > 124 BPM)
 - When an external (patient) ECG signal is not available or reliable
 - If the laptop is unable to display data

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