

# MC2 SYSTEM

## EECP-MC2 Therapy System Brochure

We are one of the reputed distributors of MC2 shell sheet, which is a perfect treatment option for angina and heart failure patients. This MC-2 is an effective EECP treatment system upon which external counter pulsation therapy was initially developed. Earlier used in clinical trials to demonstrate safety and efficacy, these analog-based systems are designed for maximum homodynamic benefit along with patient comfort.



### Patient safety, protection and comfort:

- Operator-activated emergency stop button
- Alarm with auditory signal
- Patient-activated emergency stop button

### The MC-2 system includes:

- Compressor and control unit
- Cuff systems in five sizes for maximum patient comfort (XS, S, M, L, and XL)
- Treatment table with a safe working load of 400 lbs (180 Kg)
- Set includes calf, lower thigh and upper thigh/buttocks
- Interconnecting cables and hoses
- Two of each: patient ECG cables, patient plethysmography cables
- Operation and training manuals

# **MC-2 System Technical Specifications :**

## **ECG amplifier:**

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

## **Triggering method:**

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

## **Filter Technique:**

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

## **Cuff pressure range:**

- Adjustable from 80 - 300 mmHg
- Table safe working load: 400 lbs (180 Kg)

## **Treatment timer:**

- Treatment time (system stop) setting for 1 hour (60 minutes) maximum
- System protection: main and compressor circuit breakers

Technical Specifications Continued:

<b>System</b>	<b>Dimensions</b>	<b>Weight</b>
Control Console	7 x 16 x 19 (in.) 18 x 40 x 48 (cm.)	33 lbs 15 Kg
Control Cabinet	43 x 19 x 22 (in.) 110 x 49 x 56 (cm.)	88 lbs 40 Kg
Treatment Table	28 x 36 x 82 (in.) 70 x 90 x 208 (cm.)	220 lbs 100 Kg
Compressor Unit (110V)	29 x 16 x 31 (in.) 74 x 40 x 78 (cm.)	176 lbs 80 Kg
Compressor Unit (220V)	36 x 19 x 33 (in.) 93 x 50 x 88 (cm.)	220 lbs 100 Kg

MC-2 system operating, application and environmental specifications:

Operating voltage requirements:

- 100-130VAC,60 Hz
- 250W (15A or 20A hospital grade outlet)
- Control cabinet and console
- Compressor
- 100-130VAC,60 Hz
- 1.8kW (20A hospital grade outlet)

Operating environment:

- Relative humidity: 30 - 90%
- Atmospheric pressure: 700-1060 hPa
- Temperature: 50-100° F (10-38° C)
- Atmosphere: Free of corrosive gas

Transport and storage environment:

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