

# NSR<sup>®</sup> ACPR

Automatic Cardiopulmonary Resuscitator



Chest compression	(4-5 cm)
Compressions per minute	102 ± 2
Decompression interval, full cycle time, %	50 ± 5
Pause for artificial respiration (mode 30:2)	two pauses of 1.5 seconds each
Operating pressure	2-6 bar
Compression stroke of the drive	from 20-60mm
Maximum compression rate	120 cuts/min
Operating temperature	-24 to +40
Dimensions LxWxH	90x45x15cm
Weight (with battery)	not more than 7 kg
Battery capacity	5.3 Ah, 48V

- ▶ Provides sternal and thoracic compression
- ▶ Provides uniform chest compression and consistency of depth and compression cycle
- ▶ Provides passive ventilation of the lungs
- ▶ Provides compression force control to prevent rib fractures
- ▶ Frees the resuscitator from physical exertion and allows for other resuscitation activities

The NSR®ACPR is an automatic portable cardiac resuscitator for indirect heart massage (pneumatic)

### Basic function

The device allows automatically carry out a set of measures aimed at restoring and maintaining the basic vital functions of the body in an emergency conditions.

### Main resuscitation measures:

- (Blood circulation) Indirect heart massage provides oxygen supply to vital organs
- (Respiratory tract) Restoration and maintenance of airway patency
- (Breathing) Artificial lung ventilation

The main technical characteristics of the prototype parameter characteristic implemented functions.

The transfer of the victim over difficult rough terrain, when tilting while moving up stairs, when driving in a car on a dirt road. A drive that allows you to set the compression stroke of the chest with control of the compression force and prevention of rib fractures, depending on the volume and structure of the chest.

Automatic change in the frequency and compression strength depending on the change in the condition of the victim, as well as an adaptive mode in case the heart starts working.



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