



Infant Resuscitator

Description

The infant resuscitator is a vital device used to resuscitate infants who have stopped breathing. The Resuscitator is a critical component of an infant's critical care unit (NICU), and without it, the survival rate of infants in the NICU would be significantly reduced.

The Resuscitator is a large device used to manage the airways and breathing of very young infants and can be used for infants as young as a few hours old. It is used by placing a ventilator bag over the baby's head and connecting it to the resuscitator machine.

The Resuscitator consists of several different devices, each performing a specific function. It is also known as an infant ventilator, resuscitator machine, or ventilator.

Importance Of Resuscitator

Listed below are the importance of Resuscitator.

- 1 The device is used in place of conventional resuscitation techniques, such as mouth-to-mouth or bagging using a bag mask, to provide oxygen to the infant.
- 2 The main advantage of using an infant resuscitator over conventional techniques is that it can provide more precise oxygen delivery to the infant without causing the discomfort associated with conventional techniques.
- 3 Also, because it is not invasive, an infant resuscitator can be used in situations where conventional techniques are not feasible, such as an infant who has become unconscious due to a head injury.

Resuscitator Is Used For

There are several illnesses for which infant resuscitator proved to be a life-saving device. Those are as follows:

- 1 Any breathing disorder
- 2 Apnea
- 3 Respiratory Distress Syndrome
- 4 Lung Disease
- 5 Or where the infant's voluntary breathing has stopped

Features

Oxygen Concentration

- 1 This device can sustain up to 10kgs of weight.
- 2 The flow and concentration of oxygen are precise and controlled.
- 3 It maintains flow between 21% to 100%, as advised.
- 4 The valve for safety makes the gas mixture continuously.

Easy Operation

- 1 This device is designed to operate smoothly.
- 2 The pressure and oxygen flow as directed.

Alarm System

- 1 An effective alarm system is installed in the Resuscitator.
- 2 When the system detects some unusual pressure conditions, the alarm will go off.
- 3 After the alarm blares, the safety valve will automatically start.



Area Of Utilization

Below listed are the places where Resuscitators are used:

- 1 Delivery/Maternity Rooms
- 2 Nursing Homes
- 3 Hospitals
- 4 Neonatal Intensive Care Unit (NICU)
- 5 Rehabilitation Centres (Cardiopulmonary)