

# Amflow

Ambu bag\* + Flowmeter



## World First!

Amflow is  
Manual Resuscitation Bag for  
emergencies

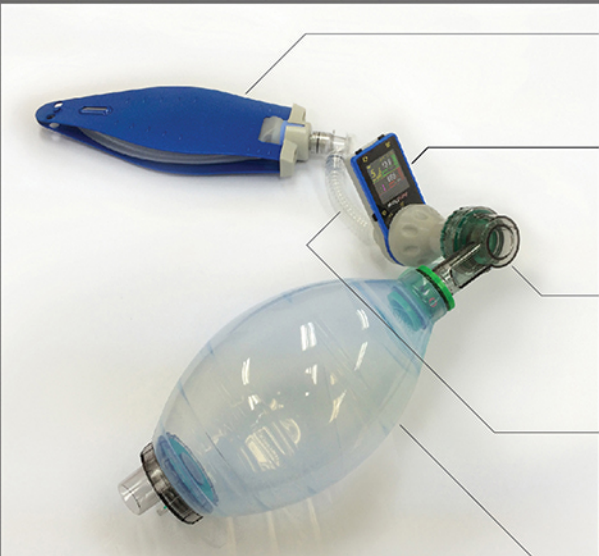
A device for monitoring  
the amount of blowing air.

\* Ambu is the trademark of Ambu A/S  
Baltorpbakken 13. DK-2750 Ballerup  
Denmark.

**NOVAVOX**  
**MEDICION**



## Amflow Feature



**Test Lung** – The artificial lung is to test Amflow when it is not real emergency situations. (including large package)

**Respiration Volume Monitoring Equipment(Amflow)** - Pumping Respiration Volume Monitoring which is manually provided an appropriate breathing to each patient without power or automated breathing equipment situations.

**The Part of Nozzle** - Connected with Amflow or the mask. If you have an emergent patient without automatic equipments, be sure to connect Amflow between the nozzle and the mask then using it.


**Connecting Tube** - The part of connecting nozzle or Amflow to mask. (Or test lung) (Including large package)

**Manual Resuscitator** – It is the supplying oxygen equipment to patients in absence of automated equipment situation. The size of resuscitator is determined depending on the status of adult or children due to the difference of volume of the oxygen. Amflow can be used for all, because Amflow can adjust the brething volume.


**Pivot** - Amflow is taken short preparation time in emergency situations because you can be rotated whichever the direction of the screen.

Amflow Large Package (7pcs)


Amflow Small Package (4pcs)




1. Light, portable and easy to connect the tube for using.




2. help prevent over-breathing to emergent patient.




3. A viable for all ages.



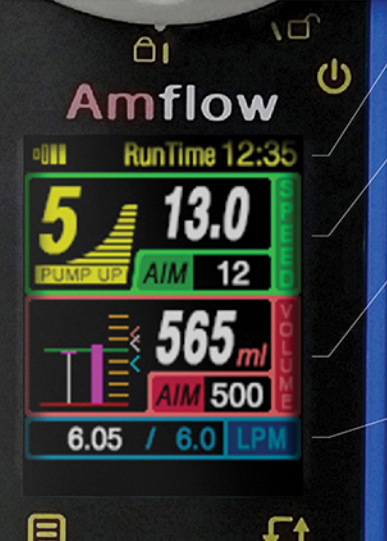
4. Pivot allows to check the screen correctly in any direction of equipment.



5. Prevent to be exposed to infection due to replacement of internal turbine.



6. Show the description that is the volume of flow and interval time on a graph.



**Runtime** : Records the time that used manual resuscitator. The use records are saved inside and can be used as medical record later after downloading the records.

**Speed** : the sector that indicates the timing to blow the air to manual resuscitator. This shows the current bpm, target bpm and also indicates the timing to blow in a few minutes

**Volume**: the sector that indicates the volume of air to blow. This function allows concentrate to the volume of air provided by emergency care practitioner in the emergency situation as the blowing volume and target volume are displayed on the number or on a graph.

**Liter per minute**: indicates the oxygen supply volume per minute. This shows the volume to be supplied or target volume to prevent oversupply or low supply that may occur by any possibility.

**Ability**

The small sized Amflow records all items for the respiration of emergent patient inside and monitors them and inform of them. The graph was made by highlighting the contents that emergency care practitioner must see or by making the contents that the practitioner must not see info-graphic. (human engineering applied) This shows when to press Ambu-bag of manual resuscitator or how much volume to press by using different values respectively so that emergency care practitioner can supply patient with oxygen constantly.





## 1 Use for Emergent Patient (for medical)

Used for emergent situation when automatic equipment does not work in case of occurrence of emergent patient

-Used for emergent patient to maintain the respiration in case of failure of equipment that may occur sometimes in the medical facility equipped with automatic equipment or in emergent situation where the equipment cannot be used.

-The function to record the runtime of Amflow can record history of respirator use of emergent patient which can be used as a data in case of emergency.

## 2 Use for Educational Institutions (for Education)

Used when teaching manual respirator in medical educational institution such as Medical College, Nursing School etc.

-Medical college students use Amflow to learn how to use the manual respirator correctly.

-Experience the sense of using respirator in emergency situation through respirator contraction timing and contract amount indication of Amflow similarly at maximum.

## 3 Use for Public Place (for Emergency)

Used for public places such as subway, amusement park etc, where it takes time until emergent relief person arrives.

-Used with gas mask, AED (Cardioverter) installed in public places such as subway, amusement park where it takes time until emergent relief person arrives.  
-After recovering the cardiorespiratory functional capacity with AED, if there is no means to maintain the respiratory function, the patient may be dangerous. In this case, use Amflow.



## Amflow Package Series



Amflow Small Package (4pcs)

1. Main Body (Display)
2. Mask
3. Turbine
4. Battery AAA Size (2pcs)



Amflow Large Package (7pcs)

1. Main Body (Display)
2. Mask
3. Turbine
4. Manual Resuscitation Bag
5. Connector & Tube
6. Test Lung (1.0L)
7. Battery AAA Size (2pcs)

## Amflow Display specifications

LCD Display	1.44" Color TFT LCD
Software Version	Amflow ver.1.0
Data I/O Port	Mini USB Port software for Upload /download
Protection type and protection level for the rating	Class 2 device (internal power supply unit)
Display information	Flow amount per once, Flow graph, Working time, Pressure recovery (Reference Seoul Samsung Hospital)
Size	(W)103.5 X (D)110 X (H)53 [mm] / Weight : 92g (without Battery)
Operating / storage temperature	Operating : 10°C ~ 40°C / Storage : 0°C ~ 40°C(Battery), -25°C ~ 50°C(Device)
Relative humidity, transport temperature	Humidity : 15% ~ 95% / Temperature : -30°C ~ 60°C
Rated voltage	DC 3V (AAA Battery 2EA)
Power Consumption	1.5W
Maximal breathing capacity	8L
Measuring range	1L/sec ~ 14L/sec
Measurement Accuracy	0.05L
Flow Accuracy	0.3L/sec