



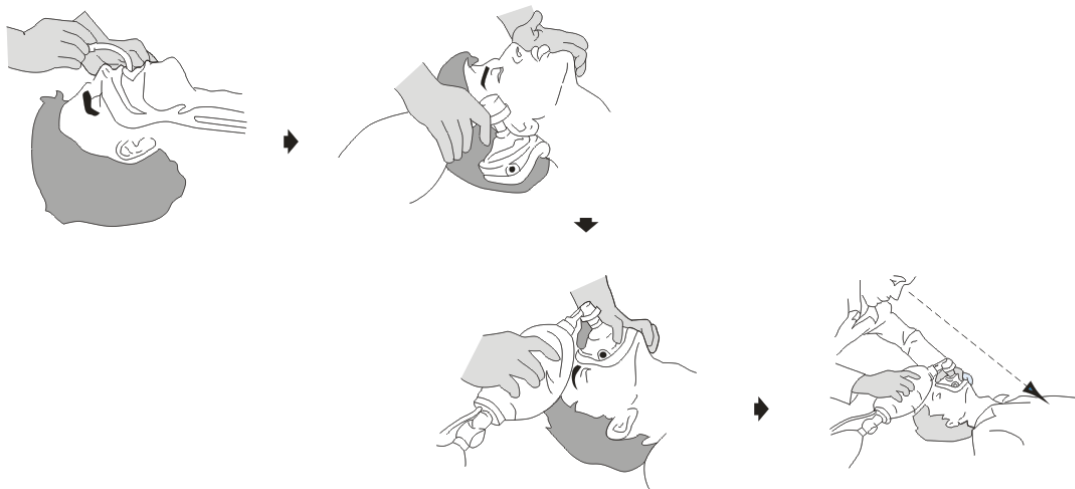
## Silicone Manual Resuscitator

### ◆ INDICATION OF USE:

Silicone Manual Resuscitator is a self-inflating manual resuscitator that is intended for patients requiring total or intermittent ventilatory support. It may be attached to a mask or endotracheal tube for manual Ventilation of a patient to provide adequate ventilation and oxygen.

### ◆ OPERATION INSTRUCTION

1. Position patient with face up.
2. Clear anything in patient's mouth and throat.
3. Insert oropharyngeal airway (if available) into patient's mouth.
4. The operator should position himself behind the patient's head, extends the head backwards, pulls patient's chin upwards and lets the chin forward to the operator to open the airway.
5. Connect the mask to the patient valve of resuscitator. One hand applies the mask to patient's mouth and nose and hold it tightly to achieve a tight seal.
6. One hand squeezes the bag and release the bag abruptly. Correct ventilation frequency may vary which be decided upon CPR professionals.
7. Check and make sure the ventilation:
  - (1) Observe rises and falls of the patient's chest.
  - (2) Check the colour of patient's lips and face through the mask.
  - (3) Check the patient valve to determine if it is working properly.
  - (4) Check if the interior of the mask is being fogged during expiration.
  - (5) When the unit is connected to Oxygen tubing, watch the reservoir bag if fill up.



### ◆ OPERATION PROCEDURE

1. To get the best effect, select a suitable resuscitator and mask for the patient which can be properly fitted.
2. If not connected the oxygen tubing, remove the reservoir bag.
3. Should the patient valve become contaminated with vomit, blood or secretions during ventilation, disconnect the device from the patient and clear the patient valve as follows:



- (1) Rapidly compress and release the resuscitator bag to deliver several sharp breaths through the patient valve to expel the contaminant.
- (2) If the contaminant still does not come off, rinse the non-rebreathing valve in water and then rapidly compress and release the resuscitator bag to deliver several sharp breaths through the patient valve to expel the contaminant.
- (3) If all instructions above do not clear the contaminant, discard the resuscitator.

#### ◆ SPECIFICATION

Item \ Size	Neonate/Infant	Child	Adult
Bag volume (ml)	320	500	1700
Stroke Volume	Up to 150 ml	Up to 360 ml	Up to 650 ml
Body Mass Range	≤ 10 kg	≤ 23 kg	> 23 kg
Expiratory Resistance	0.5cm H <sub>2</sub> O @ 5 lpm	0.5cm H <sub>2</sub> O @ 5 lpm	2.8cm H <sub>2</sub> O @ 50 lpm
Inspiratory Resistance	0.5cm H <sub>2</sub> O @ 5 lpm	0.5cm H <sub>2</sub> O @ 5 lpm	3 cm H <sub>2</sub> O @ 50 lpm
Pressure Limit	40cm H <sub>2</sub> O +/- 5	40cm H <sub>2</sub> O +/- 5	40cm H <sub>2</sub> O +/- 5
			60cm H <sub>2</sub> O +/- 10
Patient connector	15mm ID / 22mm OD	15mm ID / 22mm OD	15mm ID / 22mm OD
<b>Option</b>			
PEEP Valve	Pressure range:1.5-10 cmH <sub>2</sub> O/2.5-20 cmH <sub>2</sub> O		
Reservoir Volume	600ml/1000ml/2500ml		

<b>Supplemental Oxygen% at different flow rates and Tidal Volumes (VT)</b>	<b>Neonate / Infant</b> Vt – 70 ml x 20 bpm Vt – 70 ml x 30 bpm	2 lpm 90% 87%	5 lpm 98% 99%	10 lpm 98% 98%
	<b>Child</b> Vt – 200 ml x 20 bpm Vt – 300 ml x 30 bpm	2 lpm 57% 39%	5 lpm 99% 66%	10 lpm 98% 98%
<b>Supplemental Oxygen% at different flow rates and Tidal Volumes (VT)</b>	<b>Adult</b> Vt – 600 ml x 12 bpm Vt – 750 ml x 12 bpm Vt – 1000 ml x 20 bpm	5 lpm 83% 57% 40%	10 lpm 99% 99% 60%	15 lpm 99% 99% 70%

#### ◆ THE SILICON RESUSCITATOR SHOULD BE CLEANED AND STERILIZED:

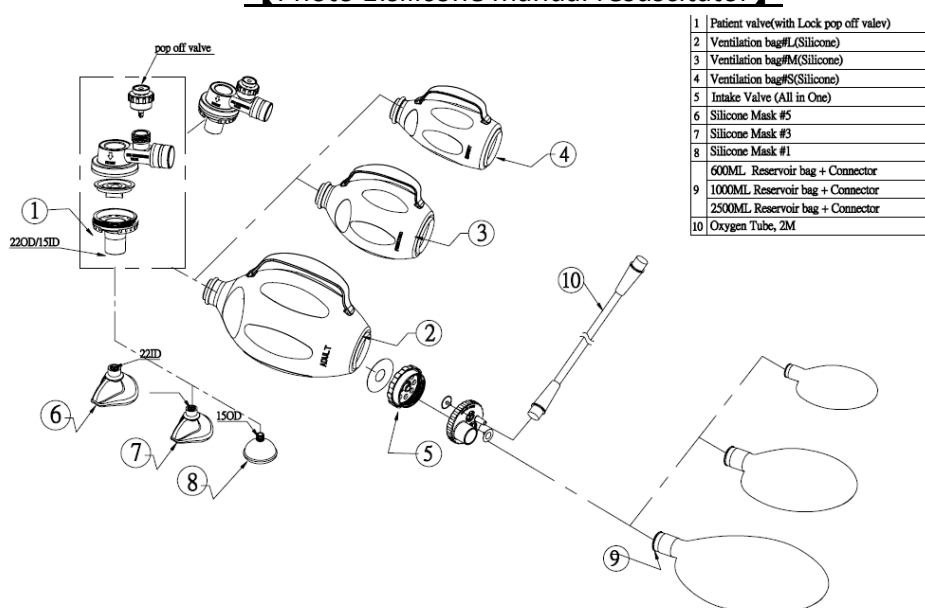
1. When first using the new Resuscitator.
2. Between patients.
3. Whenever the Resuscitator becomes contaminated
4. Every 7 days of use the same patient.



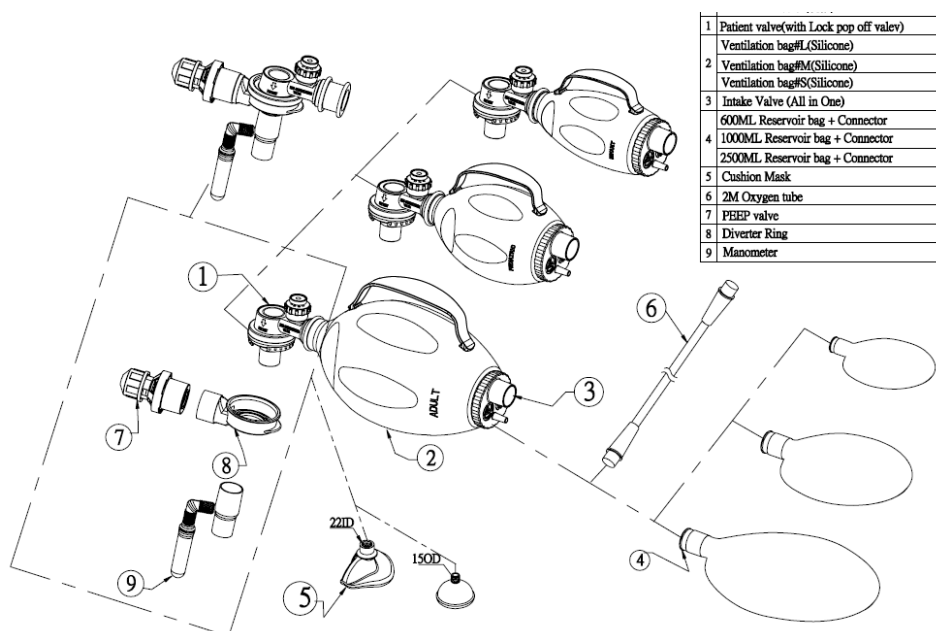
## ◆ CLEANING

1. Disassemble the Resuscitator and the mask (Do not disassemble the spring of pressure relieve valve. Damage on the part may occur when disassembling.)
2. Rinse all parts and silicon mask under cold running water.
3. Submerge all parts and silicon mask in water below 60°C which contains aniosyme synergy 5 (dilution ratio1:200) mild detergent about 5 minutes.
4. Thoroughly clean all surfaces using a brush as necessary.
5. Rinse all components and silicon mask in detergent-free water.
6. Dry them thoroughly. Inspect all components to confirm that they are clean and dry. If parts are worn or damaged, discard them.

【Photo 1:silicone manual resuscitator】



【Photo 1:silicone manual resuscitator with PEEP valve, Diverter ring and Manometer】





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◆ **DISINFECTION**

Steam Autoclaving- Autoclave at 121°C, 30 mins (The sterilization methods apply to all parts except reservoir bags and its connector, oxygen tubing)

◆ **INSPECT 、 REASSEMBLY 、 PACKAGE**




1. Dry all components thoroughly after disinfection.
2. Inspect all components and replace if necessary.
3. Reassemble the resuscitator.
4. Test the resuscitator before use.

◆ **RECOMMENDED FUNCTIONAL TEST:**

1. When first using the new resuscitator.
2. After cleaning and sterilizing.
3. After any new parts have been fitted
4. Monthly, if the resuscitator is not frequently used.



**Caution**

1. Do not use if package is damaged.
2. This device is intended for use by professional personnel with medical licenses.
3. If patient have an allergy and other adverse reactions, please remove the device.
4. The cumulative use of the device on patient should not exceed 24H.
5. After using the method of waste disposal according to the hospital infection control policy.
6. Store away from sunlight. 
7. Keep dry. 
8. Storage temperature: 15°C ~ 25°C. 

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E. Ferrari Street, 29 – 39100 Bozen

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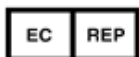
Email: [info@boscarol.it](mailto:info@boscarol.it)

**Produced by:**



**Foremount Enterprise Co., Ltd**

No.17, Aly. 15, Ln. 5, Shenan St., Shengang Dist., Taichung City 42944, Taiwan (R.O.C.)



**Obelis S.A.**

Bd. Général Wahis 53 1030 Bruxelles, Belgium.



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Page 4 of 4