

RESUSCITATION BAG SET

USER MANUAL



Item no. 215161, 215163
Version 1, 07/2026

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INSTRUCTION FOR USE

The manual resuscitator is delivered with an oxygen hose.

- Non-sterile
- 100 % latex free
- Phthalates conform to EU REACH Regulation

Intended use

The resuscitator is intended for pulmonary resuscitation.

The range of application for each version is:

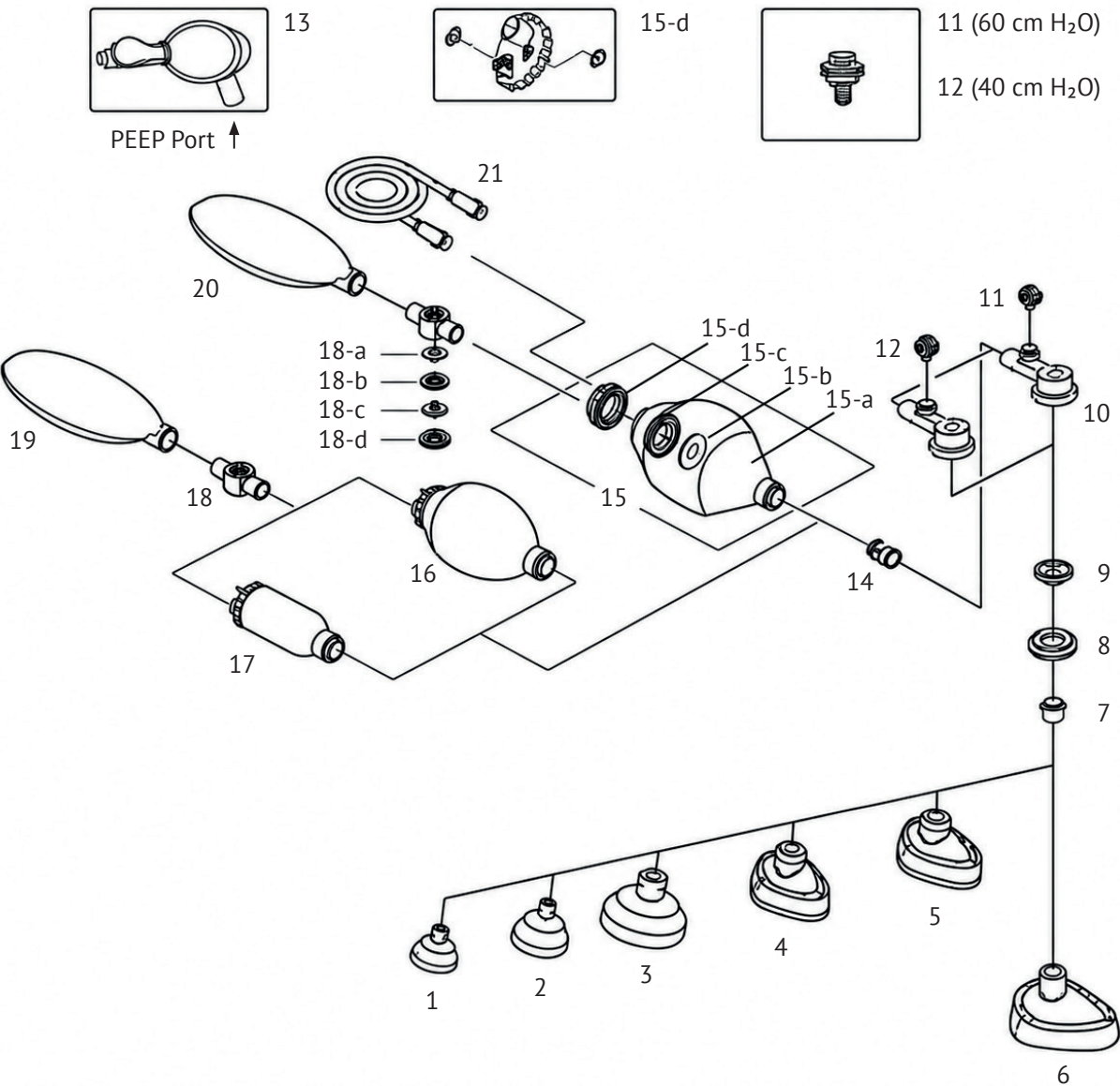
- Small: Animals below 10 kg
- Medium: Animals between 10 and 33 kg
- Large: Animals more than 33 kg

The resuscitator can be used as normal for continued oxygen supply and assisted ventilation.

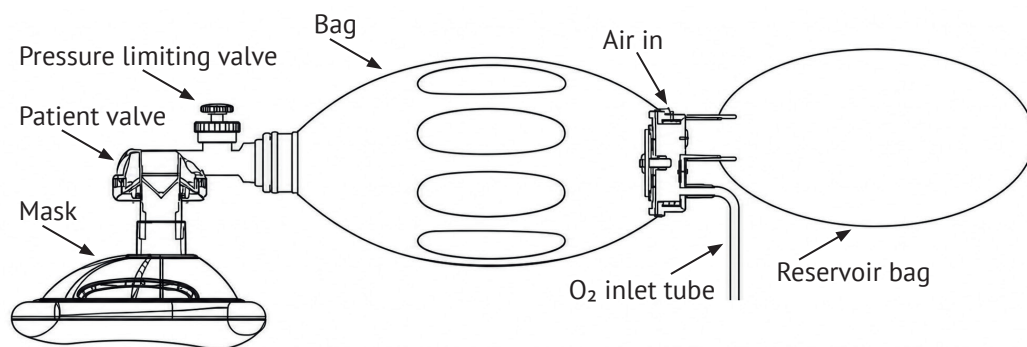
Name of Parts for Silicone Manual Resuscitator

Silicone manual resuscitator (Silicone resuscitation bag, silicone mask)			
Item	Name	Material	Remark
1	Face mask	Silicone	Size 1
2	Face mask	Silicone	Size 2
3	Face mask	Silicone	Size 3
4	Face mask	Silicone	Size 4
5	Face mask	Silicone	Size 5
6	Face mask	Silicone	Size 6
7	Connector	PC	
8	Lid	PC	
9	Patient valve disk	Silicone	
10	Patient valve	PC	
11	Pressure limiting valve	PC, silicone, steel	60 cmH ₂ O
12	Pressure limiting valve	PC, silicone, steel	40 cmH ₂ O
13	Patient valve	PC	Available (with PEEP port)
14	Bag connector	PC	
15	Large resuscitation bag	Silicone	
15-a	Resuscitation bag	Silicone	
15-b	Intake valve disk	Silicone	
15-c	Cap	PC	
15-d	Intake valve	PC	Available (all in 1 inlet valve)
16	Medium resuscitation bag	Silicone	
17	Small resuscitation bag	Silicone	
18	Inlet valve	PC	Available (all in 1 inlet valve)
18-a	Inlet valve disk	Silicone	
18-b	Valve stand	PC	
18-c	Excess valve disk	Silicone	
18-d	Cover	PC	
19	Reservoir bag 1,600 ml	EVA, pp	
20	Reservoir bag 2,000 ml	EVA, pp	
21	Oxygen tubing	PVC	

Assembly Structure



Resuscitator Function



Caution

1. This product must be used by personnel thoroughly trained in the techniques of pulmonary resuscitation.
2. Clear patient's airway before using manual resuscitator.
3. Always check for proper function of resuscitator.
4. Verify proper valve action. Verify patient is being ventilated by observing alternate rise and fall of the patient's chest and color of lips and face during resuscitation.
5. Always make functional test of the resuscitator after unpacking and assembly.
6. Do not use the resuscitator in toxic or hazardous atmospheres.
7. Oil or grease should not be used in close proximity to oxygen equipment – fire may result.
8. Do not smoke or use open flames when oxygen is in use- fire may result.
9. PVC/SEBS manual resuscitator are disposable. Do not autoclavable. No reprocessing must be done. It is for use on a single patient only . If reusable may cause cross infection between the patients.
10. PVC resuscitation bag and oxygen tubing contain - 

The potential effects of phthalates on pregnant/nursing women or children, there may be concern for reproductive and developmental effects.
11. Product should be according to the medical waste disposal after use.

Set Up Manual Resuscitator

Full extend the bag of resuscitator (large and medium version). Prior to using the resuscitator. Visually proper valve action while squeezing the resuscitator. Connect patient valve into outlet of mask. If resuscitating with high oxygen concentration, full extend the oxygen tube, attach oxygen nozzle adapter to proper oxygen source.

Connect reservoir bag. Set oxygen flow not to exceed 15 LPM or on the order of a physician.

Test for correct function

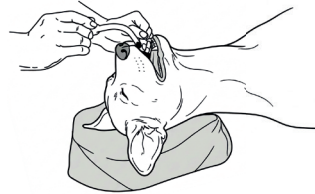
1. Connect a 1.5 liter test lung to the patient connector. Squeeze and release the resuscitator several times .and check that the test lung fills. During continuous ventilation, expansion and relaxation of the test bag must be visible. If not, check the inlet valve shutter and the patient valve shutter.
2. Close the pressure limiting valve and the patient connector with a thumb while compressing the resuscitator bag firmly to check tightness and proper valve fitting.
3. Open the pressure limiting valve and close the patient connector with a thumb. The pressure limiting valve should now be activated and it should be possible to hear the expiratory flow from the valve.
4. Reservoir bag: Supply a gas flow of 3.0 L/min to oxygen tube. Check that the reservoir fills. If not, check the integrity of the two valve shutters, or for a torn reservoir or a blocked oxygen tube.

Operating Instructions

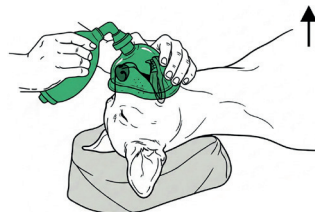
1. Open mouth, clear airway of all foreign matter and fluids. The use of an Emergency Aspirator is recommended. Tilt head fully back wards and push the jaw upwards with neck stretched to open the airway.



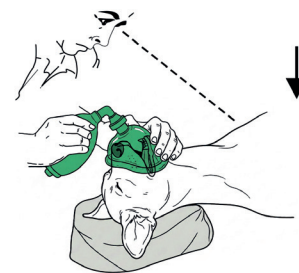
2. To assist ventilation it may be beneficial to insert an artificial airway. Be careful that it does not push the tongue back and thus obstruct the throat.



3. Hold mask tightly to victim's face, covering mouth and nose, tilt head fully backwards, mask-holding hand lifting jaw forward. Squeeze the bag smartly and watch chest expand.



4. Release pressure on the bag suddenly and allow the chest to deflate. Repeat 12 – 20 times per minute, or 30 times in the case of animals below 10 kg. If continued resistance to insufflation is encountered, check for airway obstruction or correct the backward head tilt. If adequate ventilation is not achieved with the resuscitator, immediately revert to expired air ventilation (mouth-to-mouth, or mouth-to-nose).



5. The correct ventilation frequency may vary. Please follow the current ventilation frequency recommended by national or international guidelines.
6. If the patient vomits during mask ventilation, immediately clear the patient's airways of vomitus, then freely compress the bag a few times before resuming ventilation.
7. Large Version: The pressure limiting valve is open at 60 cmH₂O.
Medium and small Version: The pressure limiting valve is open at 40 cmH₂O.



Caution: A hissing sound can be heard when the device opens.

8. If higher pressures are required, press and spin the button while squeezing the bag, the pressure limiting valve is overridden.



Warning: High ventilation pressures may cause lung rupture or stomach distension on certain patients.

9. Administer oxygen reference to "Specifications" or according to medical indications.

The images are schematic and not intended to be anatomically exact.

Specifications

Oxygen Concentrations					
Litres/min	3	5	10	10	4
Breathing Frequency	12	12	12	20	30
Inflation Volume (ml)	500	500	500	250	40
With Reservoir (%)	60	86	98	98	98
Without Reservoir (%)	34	47	66	70	85

	Small	Medium	Large
Body weight	≤10 kg	10 ~ 33 kg	≥33 kg
Stroke volume	150 ml	350 ml	800 ml
Resuscitator volume	340/250 ml	680 ml	1630 ml
Dimensions (length × diameter)	225 × 85 mm	262 × 105 mm	325 × 132 mm
Resuscitator weight	350 g	410 g	600 g
Pressure limiting valve	40 cmH ₂ O	40 cmH ₂ O	60 cmH ₂ O
Dead space (patient valve)	7 ml	7 ml	7 ml
Inspiratory resistance	<5 cmH ₂ O (at 50 l/min)		
Expiratory resistance	<5 cmH ₂ O (at 50 l/min)		
Bag reservoir volume	1,600/600 ml	1,600 ml	2,000 ml
Patient connector	ISO Ø 22/15 mm		
Recommended operating temperature:	-18 – +50 °C		
Storage	-40 – +60 °C		

Cleaning and Disinfection

1. The manual resuscitator should be cleaned and disinfected Whenever the resuscitator becomes contaminated.
2. Disassemble: The manual resuscitator reference above
“Assembly structure”: Unscrew “8” from “10”, remove “10” from “14”, unscrew “15-c” from “15-d”.
Do not disassemble “7” from “8”, “11” or “12”, “14” from “15”,
3. Assemble: The manual resuscitator reference above **“Assembly structure”** and **“Resuscitator function”**.
4. All parts can be using ethylene oxide.
5. The manual resuscitator (except oxygen tubing and reservoir bag) wash with 0.2 % Javel water for 30 mins and Rinse in clean water, Dry all components. Then assembly and testing (See: Test for correct function)
6. Autoclavable (**Only for silicone manual resuscitator**):
 The silicone resuscitator (except oxygen tubing and reservoir bag) can be autoclaving 121 °C.
 The silicone resuscitator is recommended reusable no more than 20 times.
 The oxygen tubing and reservoir bag are disposable.
The resuscitator conforms to ISO 10651-4. It also conforms to Council Directive MDD/93/42/EEC concerning Medical Devices.

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