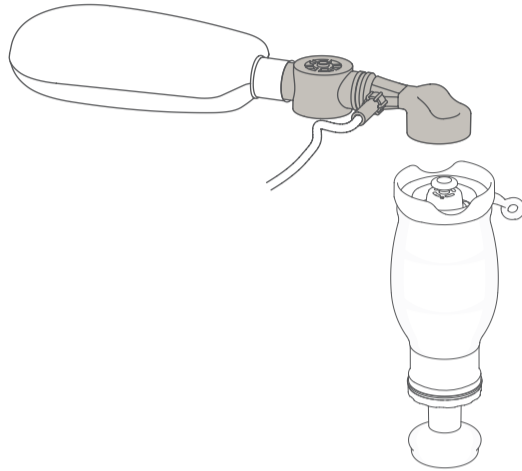


## User Guide

# Upright

OXYGEN KIT (COMPLETE)  
REUSABLE



REF Cat.no. 846151 QTY 1 each



## User Guide

### Intended Use

Upright Newborn Bag-Mask ("Upright") is a self-inflating, manual, reusable resuscitator intended for newborns and infants up to 10 kg body mass who require respiratory support.

Upright can provide supplemental oxygen only when used with the accessory Oxygen kit.

The Oxygen kit may be reused provided reprocessing procedures (page 2) are followed between each patient use. The kit (except for the Oxygen reservoir and the Oxygen tube) must be cleaned and disinfected before first use.

### Using the Oxygen Kit

Assembly and disassembly of the Oxygen kit is illustrated on page 2.

Upright's pressure release valve can be operated as normal when the Oxygen kit is attached.

If any components are loose, then tighten or reassemble the device and test in accordance with page 2.

### Delivered Oxygen Concentration

Measured under room temperature conditions:

Oxygen flow [l/min]	20 ml tidal volume @ 60 breaths/minute		150 ml tidal volume @ 25 breaths /minute	
	without reservoir	with reservoir	without reservoir	with reservoir
2	40%	46%	52%	71%
4	52%	67%	63%	92%
6	58%	89%	73%	96%

### Safety When Using Oxygen

Build-up and transfer of high pressure to the patient is prevented since excess oxygen is vented to atmosphere over the outlet valve.

If the reservoir bag remains flat during the whole ventilation cycle, it is a visual indication that no, or little supplemental oxygen is being provided.

When oxygen supply is insufficient, adequate ventilation volume is ensured by intake of ambient air through the Inlet valve.

In the presence of high oxygen concentrations there is danger from smoking or naked flames. Oil or grease must not be used with the resuscitator.

### Warnings

This Oxygen kit should only be used by persons who have received sufficient training in its use. Incorrect operation of the Oxygen kit can be hazardous.

Do not use the Oxygen kit if you have any reason to be concerned about its functionality.

## Spare parts

Cat .no	Description
846131	Oxygen Reservoir Bag and Tubing

## Important Product Information

### Regulatory

**CE** 0434

This product is in compliance with the essential requirements of Council Directive 93/42/EEC as amended by Council Directive 2007/47/EC.

### Technical Information

Meets ISO 10651-4:2002/EN ISO 10651-4:2009, Lung ventilators – Particular requirements for operator-powered resuscitators.

Operating temperature	-18 °C to 50 °C
Storage temperature	-40 °C to 60 °C
External dimensions of Upright when using the Upright Oxygen kit (with Newborn Mask size 1, excluding tube)	Approximately 72 mm x 375 mm x 284 mm
Mass of Upright with Oxygen kit	Approximately 288 grams

### Materials

Hard plastic components: Polysulfone (PSU)  
Soft plastic components: Silicone rubber  
Oxygen Reservoir and Tubing: Polyvinyl chloride (PVC)  
Oxygen Reservoir Bag's Connector: Polycarbonate (PC)  
Not made with natural rubber latex.

### Manufacturer Information

Global Warranty: See [www.laerdal.com](http://www.laerdal.com)

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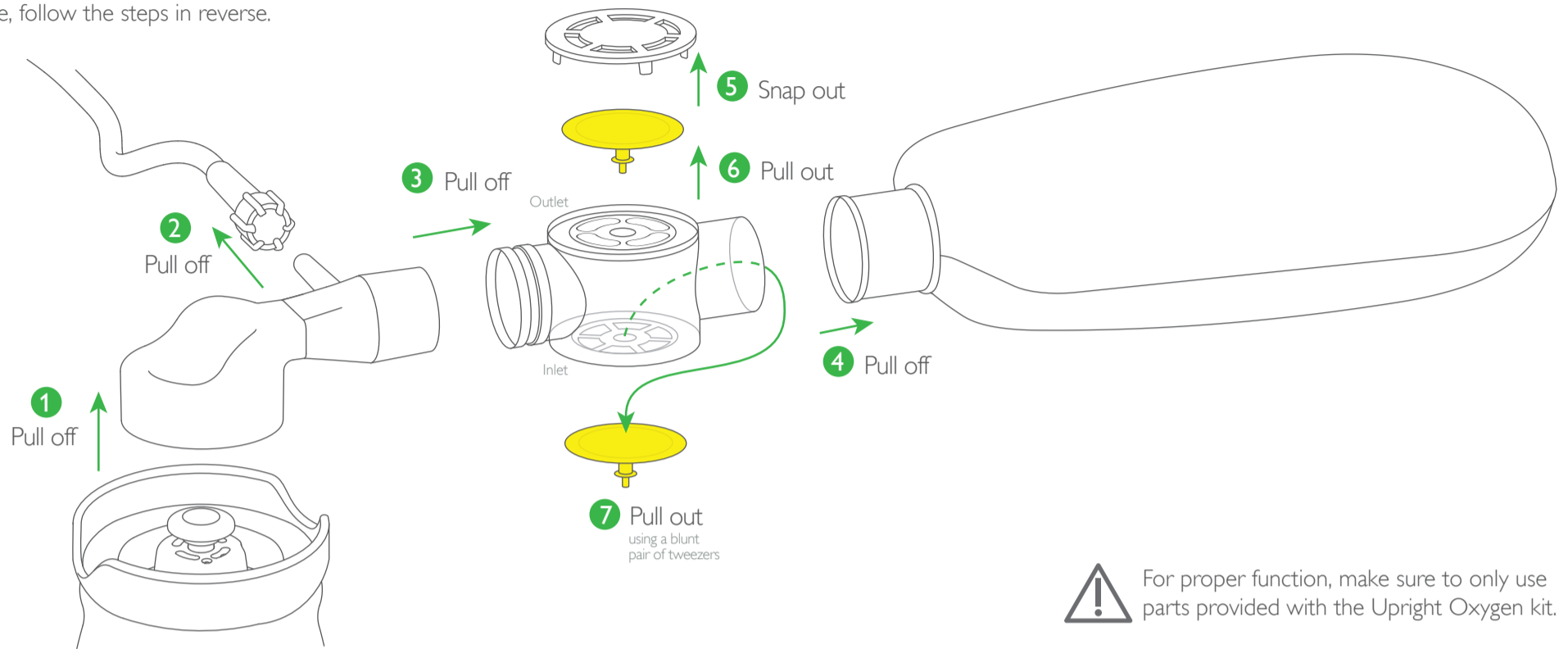
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## Reprocessing instructions

### 1. Product overview

To disassemble, follow steps 1-7.  
To reassemble, follow the steps in reverse.



### 2. Cleaning and Disinfection procedure

1. Disassemble	2. Clean	3. Disinfect by one of the methods	4. Dry and Inspect	5. Assemble and Test
<p>Always disassemble before cleaning.</p> <p>Hard components and yellow valves:</p>	<p>Follow the same procedures as for Upright components.</p>	<p><b>Boiling</b></p> <p>100 °C 10 minutes</p> <p></p> <p><b>OR</b></p> <p>Disinfect 60 minutes + rinse in water 3 x 1 minute</p> <p><b>OR</b></p> <p><b>Autoclaving</b></p> <p>Steam 136 °C 10-20 minutes</p> <p></p> <p>Follow the same procedures as for Upright components.</p>	<p>1 Dry all parts.</p> <p>2 Visually inspect each part for damage and cleanliness / mineral deposits.</p> <p>3 Remove damaged or unclean parts from service.</p>	<p>1 Reassemble the Oxygen kit.</p> <p>2 Test the Oxygen kit with Upright using steps shown below.</p>
<p>Reservoir bag and oxygen tube:</p>	<p>If the inside of the oxygen tube or the oxygen reservoir bag has become soiled, they must be discarded.</p> <p>For outside-surface soiling:</p> <p>Wash outside surfaces with clean water and mild soap.</p>	<p>For reservoir bag and oxygen tube go directly to 4. Dry and Inspect.</p>		

### 3. Testing before use

1. Oxygen adaptor sealing	2. Outlet valve to ambient	3. Inlet valve from ambient
<p>1. Center the oxygen adaptor with Upright's top and one of its U-shaped edges.</p> <p>2. Press hard down into Upright.</p> <p>3. Check that the adaptor's neck is centered in the U-shape, without touching its side edges.</p> <p>4. Seal the oxygen-nipple with a finger and seal the open connector-end with your hand.</p> <p>5. Squeeze Upright's bag fully, and release.</p> <p>6. Check that the bag does not re-expand quickly.</p>	<p>1. Attach the oxygen valve housing to the oxygen adaptor.</p> <p>2. Fill the reservoir bag with air by using Upright as a pump.</p> <p>3. Attach the filled reservoir bag to the oxygen valve housing.</p> <p>4. Seal the oxygen nipple with a finger.</p> <p>5. Compress the filled reservoir bag rapidly with your hand.</p> <p>6. Check visually that the outlet valve opens and bleeds off excessive air.</p>	<p>1. Seal the oxygen nipple with a finger.</p> <p>2. Squeeze Upright's bag several times.</p> <p>3. Check that the reservoir bag empties completely.</p> <p>4. Squeeze the Upright bag fully and then release quickly.</p> <p>5. Check visually that the inlet valve opens and draws in ambient air.</p>

If any of the above tests fail: Disassemble, inspect the components, reassemble and repeat the complete "Testing before use" procedure (Section 3).