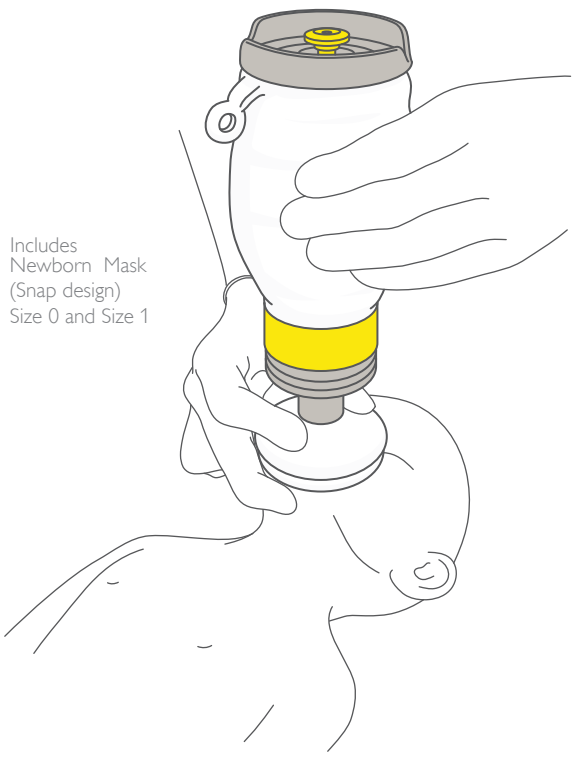
User Guide

# Upright

NEWBORN BAG - MASK

REUSABLE - AUTOCLAVABLE



Includes
Newborn Mask
(Snap design)
Size 0 and Size 1

REF Cat.no. 846050 QTY 1 each

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## 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.

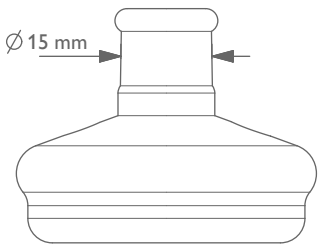
Upright can provide supplemental oxygen only when used with the accessory Oxygen kit.

Upright may be reused provided reprocessing procedures (page 2) are followed between each patient use. It must be cleaned and disinfected before first use.

## Using Upright

Orientation: Upright is operated as a normal resuscitator, with the bag having a vertical stance over the mask.

Newborn Mask - Snap design: The mask fits with standard 15 mm inner-diameter conical connectors, as defined by ISO 5356-1. Check fit before use with other devices. When used with Upright, the mask attaches with a snap fit when pressed completely into place.




Pressure release valve: Upright has a pressure release valve ("pop-off") which limits the airway pressure to 30-45 cm$H_2O$. A hissing sound can be heard when the valve opens. If higher airway pressure is needed, press downwards on the valve with the index finger while squeezing the bag.

Vomitus: If the patient valve becomes contaminated with vomitus, clear the valve by shaking Upright and forcefully squeezing the bag to expel the vomitus. If it does not clear, disassemble the patient valve (see page 2), rinse it in water and then reassemble it.

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

## Warnings ⚠

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

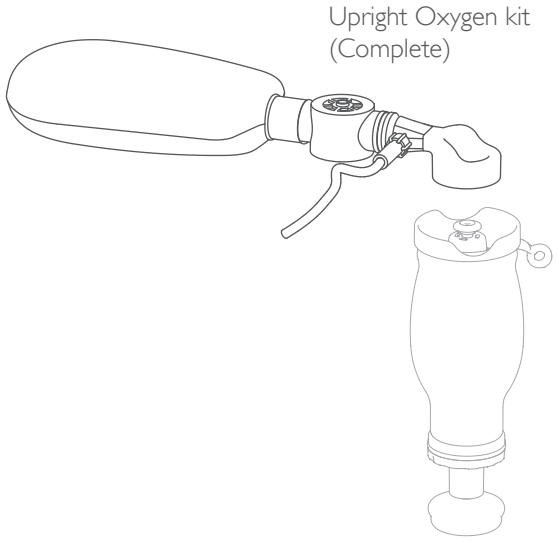
Do not use Upright if you have any reason to be concerned about its functionality.

For proper function, ensure that Upright components are not mixed and confused with similar-looking non-Laerdal components. All Upright components are marked LAERDAL, as shown on page 2.

# Accessories and Spare parts

| Cat .no | Description |
|---|---|
| **846156**<br>**846157** | Newborn Mask - Snap design – Size 0*<br>Newborn Mask - Snap design – Size 1*<br>* 10 pcs |
| **846151** | Oxygen kit (Complete) includes Oxygen adaptor, Valve, Reservoir Bag and Tubing |
| **846131** | Oxygen Reservoir Bag and Tubing |
| **846155** | Upright Valves and Membranes kit*<br>(Lip valve, Inlet valve disc membrane)<br>* 10 pcs |

Upright Oxygen kit
(Complete)



# Important Product Information

## Regulatory

CE 0434

This product is in compliance with the essential requirements of Council Directive 93/42/EEC as ammended 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.

Newborn Mask - Snap design, is not designed in accordance with ISO 5356-1:2004 - Anaesthetic and respiratory equipment - Conical connectors - Part 1: Cones and sockets.

| | |
|---|---|
| Operating temperature | -18 °C to 50 °C |
| Storage temperature | -40 °C to 60 °C |
| Expiratory resistance | <2.5 cm $H_2O$ at 5 LPM |
| Inspiratory resistance | <0.5 cm $H_2O$ at 5 LPM |
| Tidal volume | >150 ml |
| Dead space | 4 ml (water volume) |
| External dimensions (with Newborn Mask size 1) | Approximately 72 mm x 85 mm x 217 mm |
| Mass (with Newborn Mask size 1) | Approximately 190 grams |

## Materials

Hard plastic components: Polysulfone (PSU)
Soft plastic components: Silicone rubber
Spring: Stainless steel
Not made with natural rubber latex.

## Manufacturer Information

Global Warranty: See www.laerdal.com

Manufactured in China for:
Laerdal Medical AS, Tanke Svilandsgate 30
P.O. Box 377, 4002 Stavanger, Norway
Tel : +47 51 51 17 00
Fax: +47 51 52 35 57
Email: laerdal.norway@laerdal.no

20-06867 Rev B

# Upright NEWBORN BAG - MASK

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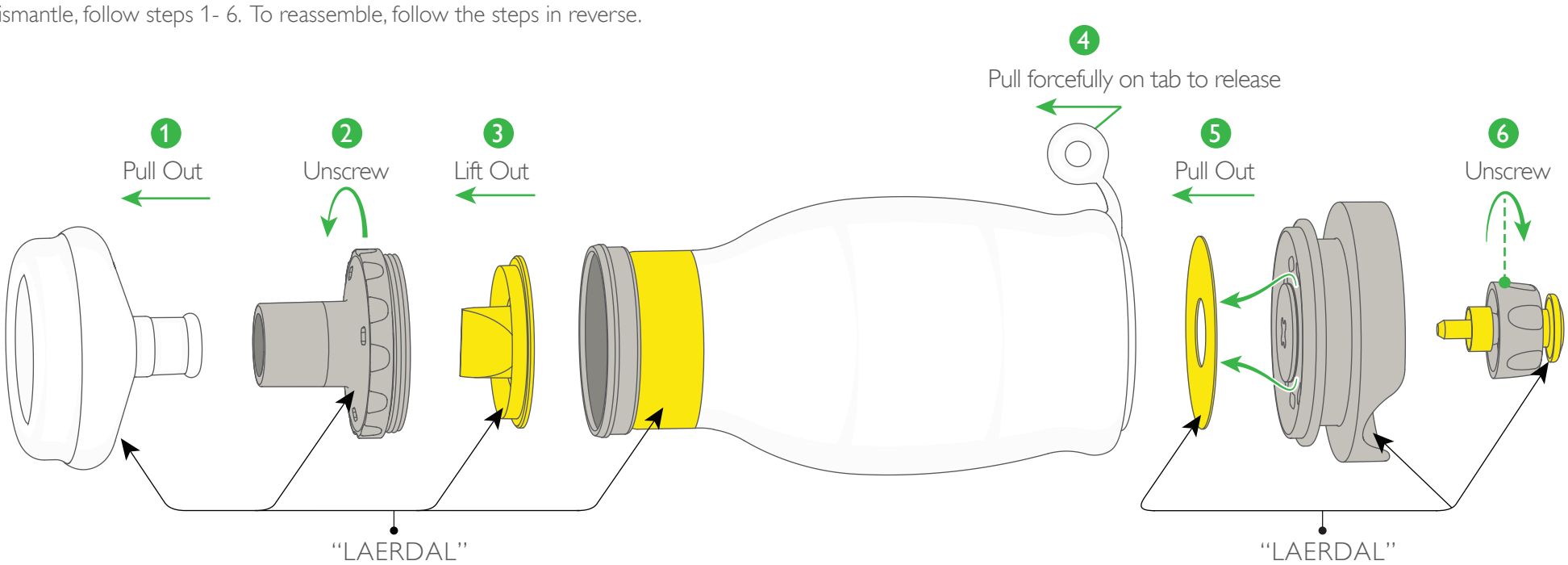
## Reprocessing instructions

## 1. Product overview

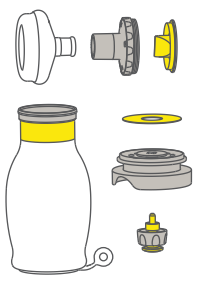
To dismantle, follow steps 1- 6. To reassemble, follow the steps in reverse.




Do not disassemble parts beyond the steps shown. For proper function, make sure to only use parts marked LAERDAL (locations as shown above).

## 2. Cleaning and Disinfection procedure

### 1. Dismantle



Always dismantle Upright before cleaning.

### 2. Clean

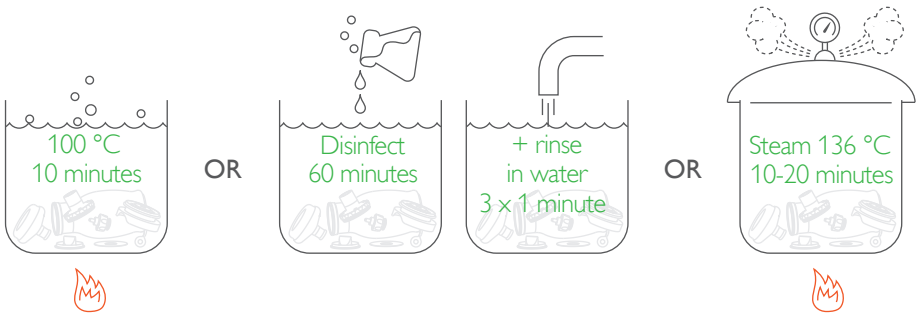
1 Wash all parts in a clean tray with clean water and mild soap.

2 Use a scrub or brush to remove any soil.

3 Rinse parts in clean water to remove all soil and soap.

4 Repeat above steps until parts are clean.

### 3. Disinfect by one of the methods




**Boiling***

Boil all parts in clean water for 10 min.

*Validated at approximately sea-level pressure

**Chemical**

**Activated glutaraldehyde solution:**

**1** Disinfect all parts to the disinfectant manufacturer's recommended procedure.

**2** Immerse for 60 minutes.

**3** Remove parts using aseptic technique.

**4** Rinse 3 times, for 1 minute using fresh clean water each time.

**Autoclaving**

Sterilize by steam autoclaving at 136 °C and 2.0 kg/cm² for 10-20 min.

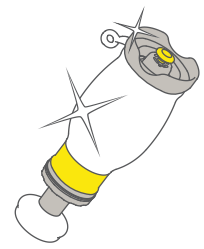
### 4. Dry and Inspect

1 Dry all parts.

2 Visually inspect each part for damage and cleanliness / mineral deposits.

3 Remove damaged or unclean parts from service.

### 5. Assemble and Test

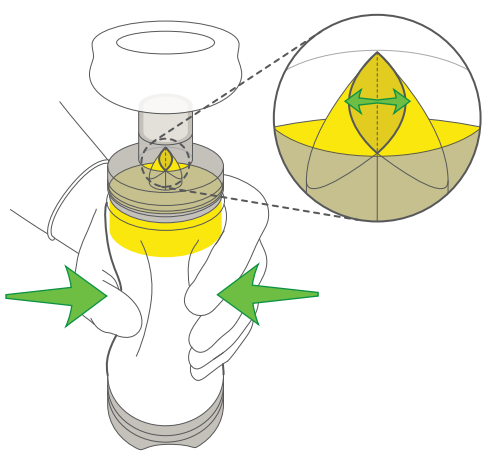


Reassemble Upright.

Test usings steps shown below.

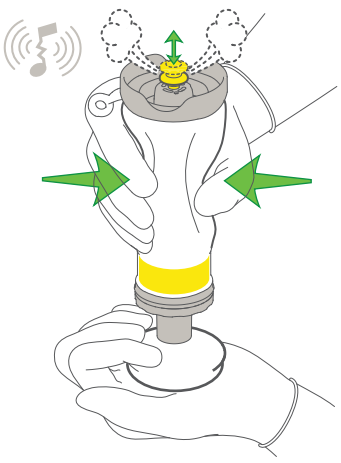
## 3. Testing before use

### 1. Lip valve function



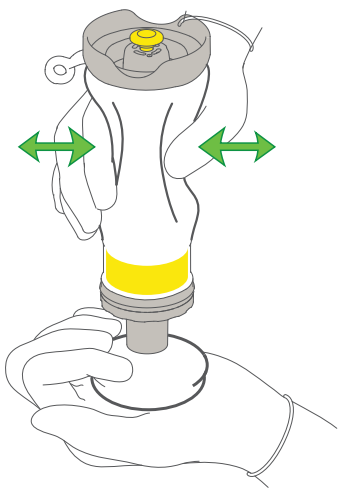
Squeeze the bag. Check that the yellow valve opens and closes with every squeeze.

### 2. Pressure release valve



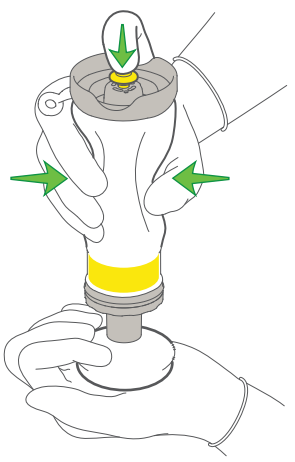
Seal the mask against your hand. Squeeze the bag forcefully. Check that air is released from the pressure release valve.

### 3. Inlet valve opening



Keep the mask sealed against your hand. Release the squeezed bag. Check that the bag re-expands without resistance.

### 4. Product sealing



Check that the silicone bag's lip is not twisted or tucked under.

Keep the mask sealed against your hand. Press the pressure release valve down. Squeeze the bag and check that there is no leakage.

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