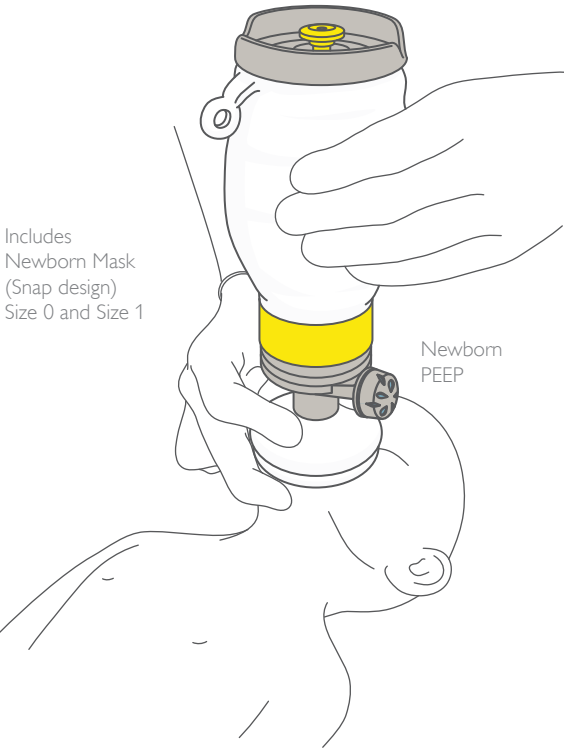


User Guide

Upright with Newborn PEEP

NEWBORN BAG-MASK WITH PEEP
REUSABLE - AUTOCLAVABLE



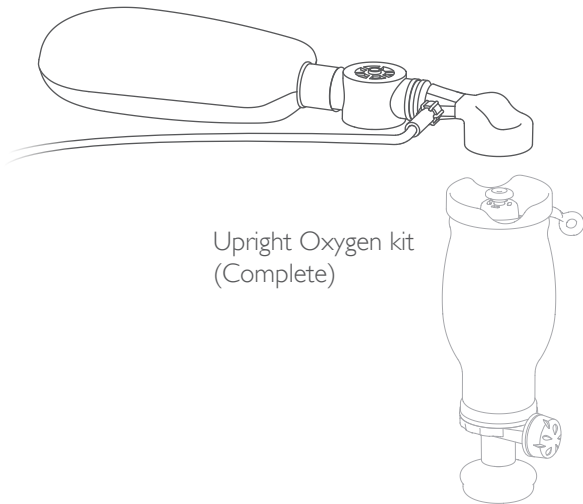
Includes
Newborn Mask
(Snap design)
Size 0 and Size 1

Newborn
PEEP

REF Cat. no. 846060 QTY 1 each

Accessories and Spare parts

Cat. no	Description
846156 846157	Newborn Mask - Snap design – Size 0* Newborn Mask - Snap design – Size 1* * 10 pcs
846165	Newborn PEEP membrane and cap – 1 set
846151	Oxygen kit (Complete) includes oxygen adaptor, valve, reservoir bag and tubing
846131	Oxygen reservoir bag and tubing
846155	Upright valves and membranes kit* (lip valve, inlet valve disc membrane) * 10 pcs



Upright Oxygen kit
(Complete)

Testing PEEP value:

Ventilate continuously on a manikin or test lung, while attached to a manometer. Check that the PEEP remains between 4-8 cmH₂O between ventilations.

If a standard manometer is not available, a guidance document can be found at www.laerdalglobalhealth.com

User Guide

Intended Use

Upright with Newborn PEEP is a self-inflating, manual, reusable resuscitator with PEEP valve, intended for newborns and infants up to 10 kg body mass who require respiratory support.

PEEP can be deactivated by removing the PEEP valve membrane.

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

Upright with Newborn PEEP may be reused provided reprocessing procedures are followed between each patient use. It must be cleaned and high-level disinfected or sterilized before first use.



Caution

The patient should be constantly monitored while this product is in use.

Using Upright with Newborn PEEP

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

Positive end-expiratory pressure (PEEP) retains a volume of air in the lungs between each ventilation. For newborns with fluid-filled or immature lungs, PEEP helps prevent repeated lung alveolar collapse during ventilation. This helps recruit lung volume more efficiently, clear fluid from the lungs and reduces damage to the lung tissue.

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



Newborn Mask

Important Product Information

Regulatory



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 5356-1:2015 - 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
Dead space	Approximately 5 ml (water volume)
External dimensions (with Newborn Mask size 1)	Approximately 74 mm x 87 mm x 217 mm
Mass (with Newborn Mask size 1)	Approximately 200 g
PEEP value/Pressure range	6 ± 2 cmH ₂ O
PEEP principle of operation	Silicone membrane valve
Total bag volume	320 ml
Deliverable tidal volume	> 150 ml
Expiratory resistance	with PEEP: < 15 cmH ₂ O at 5 LPM without PEEP: < 2.5 cmH ₂ O at 5 LPM
Inspiratory resistance	with PEEP: < 1 cmH ₂ O at 5 LPM without PEEP: < 1 cmH ₂ O at 5 LPM

Materials

Hard plastic components: Polysulfone (PSU)

Soft plastic components: Silicone rubber

Spring: Stainless steel

Not made with natural rubber latex.

Pressure release valve: Upright with Newborn PEEP has a pressure release valve ("pop-off") which limits the airway pressure to 30-45 cmH₂O. 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 or mucus: If the patient valve or PEEP valve membrane becomes contaminated with vomitus or mucus, remove the PEEP valve cap and membrane, clear the patient valve by shaking Upright with Newborn PEEP and forcefully squeezing the bag to expel the vomitus. If cleared, continue ventilating without using the PEEP membrane and cap. If it does not clear, disassemble the patient valve (see page 2), rinse it in water and then reassemble.

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



Warnings

Upright with Newborn PEEP should only be used by persons trained in operating resuscitators. Incorrect operation can be hazardous.

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

Do not pull open slit on Newborn PEEP membrane.

Do not attempt to block the Newborn PEEP cap or port, which could prevent patient expiration.

High ventilation rates (> 60 ventilations per minute) may restrict patient expirations and increase PEEP above 8 cmH₂O.

Use of Newborn PEEP on infants larger than 5 kg may result in higher PEEP.

For proper function, ensure that Upright with Newborn PEEP components are not mixed and confused with similar-looking non-Laerdal components. All Upright with Newborn PEEP components are marked LAERDAL, as shown in the Product Overview section.

At freezing temperatures, PEEP function could be reduced or lost. Absence of a hissing sound after each ventilation may indicate this.

Not to be used in a respiratory circuit.

Manufacturer Information
Global Warranty: See www.laerdal.com

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Printed in Norway

20-08849 Rev.B

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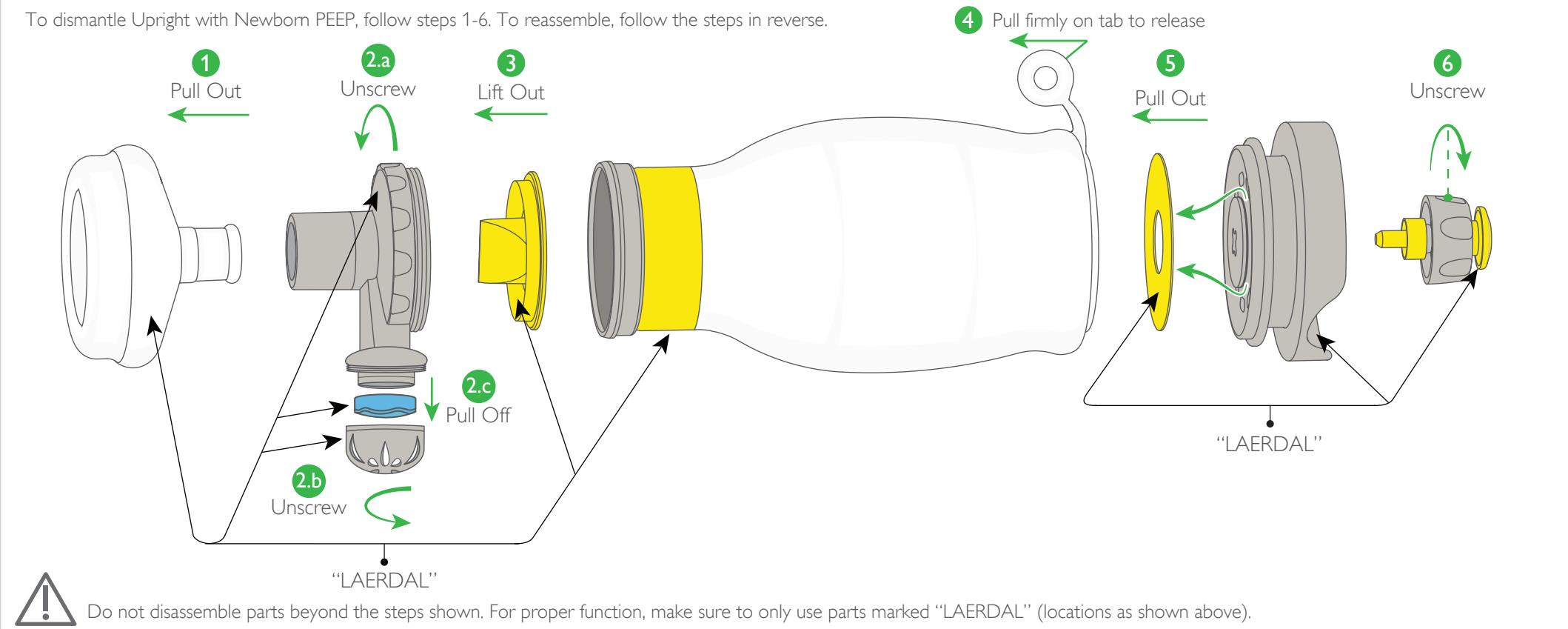

Laerdal

helping save lives

Reprocessing instructions

1. Product Overview

To dismantle Upright with Newborn PEEP, follow steps 1-6. To reassemble, follow the steps in reverse.



2. Cleaning and Disinfection Procedure

1. Dismantle	2. Clean	3. Disinfect / Sterilize	4. Dry and Inspect	5. Assemble and Test
<p>Always dismantle Upright with Newborn PEEP before cleaning.</p>	<ol style="list-style-type: none"> Wash all parts in a clean tray with clean water and mild soap. Use a scrub or brush to remove any soil. Rinse parts in clean water to remove all soil and soap. Repeat above steps until parts are clean. 	<div style="display: flex; align-items: center;"> <div style="margin: 0 10px;">OR</div> </div> <p>Boiling* Boil all parts in clean water for 10 min.</p> <p>Autoclaving Sterilize by steam autoclaving at 136 °C and 2.0 kg/cm² for 10-20 min.</p> <p><i>*Validated at approximately sea-level pressure.</i></p>	<ol style="list-style-type: none"> Dry all parts. Visually inspect each part for damage, cleanliness and signs of mineral deposits. If the parts become coated in limescale immerse in equal parts of water and white vinegar (3-5%) for 10 minutes. Do NOT immerse PEEP membrane. Rinse in clean water. Repeat if necessary. PEEP membrane inspection: Hold membrane between fingers and squeeze softly. Check that slit opens fully, but not beyond rip stoppers. If in doubt about PEEP membrane function or pressure, test as described in Testing PEEP valve, Page 1. Discard any damaged or worn parts. <p>Rip Stoppers</p>	<p>Reassemble Upright with Newborn PEEP. Test using steps shown in Testing Before Use section.</p> <p>! Caution: Make sure to attach membrane onto the patient connector before attaching the cap.</p>

3. Testing before Use

1. Lip valve function	2. Pressure release valve and Inlet valve function	3. Product sealing	4. PEEP membrane function
<p>Squeeze the bag. Check that the yellow valve opens and closes with every squeeze.</p>	<p>Seal the mask with a hand. Squeeze the bag forcefully. Check that air is released from the pressure release valve. Keep the mask sealed against hand. Release the squeezed bag. Check that the bag re-expands without resistance.</p>	<p>Ensure that the silicone bag's lip is not twisted or tucked under.</p> <p>Keep the mask sealed against the hand. Press the pressure release valve down. Squeeze the bag and check that there is no leakage.</p>	<p>Hold Upright with Newborn PEEP firmly at the yellow neck label. Press other hand upwards against the mask's sealing cuff so that air inside the mask is pushed into Upright and out the expiration port with the PEEP membrane. Check that the PEEP membrane slit opens and seals fully. Repeat 3 times.</p>

! If any of the above tests fail, dismantle Upright with Newborn PEEP, inspect the components, reassemble and repeat the complete "Testing Before Use" procedure (Section 3). Remove damaged parts from use.