

## DATASHEET

Available in two sizes, the Ambu Mark IV Adult and Mark IV Baby resuscitators are easy to hold, easy to use and completely autoclavable for reuse.

Designed in accordance with the original double wall principle, the new Ambu bags - made free of natural rubber latex - are more robust and provide users with exceptional visual and tactile lung condition feedback during manual resuscitation, making operation safer and more secure.

Built-in pressure limitation prevents compression if there is any resistance in the patient's airways.

### MATERIAL

Product	Material
Inner bag	Silicone rubber
Outer cover	Silicone rubber
Patient valve housing	PSU
Patient connector	PSU/silicone rubber
Pressure-limiting valve*	PSU/stainless steel
Override cap*	Silicone rubber
Expiration connector	Reinforced PP
Cap for manometer port*	PP/EPDM rubber
Inlet valve housing	POM
Screw cap (two parts)	POM
Reservoir tube*	PE
Valve discs	Silicone rubber
Strap	Silicone rubber
Nameplate	Aluminium
Window with snap fastener	PSU
Connector	POM
Oxygen reservoir bag***	PES/TPU
Adapter for reservoir bag**/**	Silicone rubber
Reservoir housing incl. cap and screw cap***	POM/Reinforced PP
Oxygen supply tube***	EPDM rubber
Adapter for tube**/**	POM
Extension tube**/**	EPDM rubber
Splash guard**/**	PSU

\* Mark IV Baby only \*\* Mark IV Adult only \*\*\* Optional accessory

# Ambu<sup>®</sup> Mark IV Resuscitators



### KEY BENEFITS

Double wall bag provides built-in pressure limitation for patient safety

Unique single-shutter valve system for reliable functionality

Integrated handle for user comfort and uniform compression

Entire Mark IV resuscitator, including the closed reservoir, can be autoclaved at 134 degrees. Closed reservoir also suitable for Mark IV Baby

Pressure-limiting valve with override cap on Mark IV Baby for added infant protection

# Ambu

## SPECIFICATIONS

	Mark IV	Mark IV Baby
Application	Pulmonary resuscitation of adults and children with a body weight of more than approx. 15 kg (3 years)	Pulmonary resuscitation of neonates, infants and children with a body weight of up to 20 kg (approx. 4-5 years)
Maximum volume delivered	1365 ml	420 ml
Length x diameter (including patient valve)	275 mm x 135 mm	265 mm x 85 mm
Weight of the resuscitator (with patient valve, without oxygen reservoir and mask)	415 g	190 g
Maximum frequency of ventilation	Depends on the tidal volume used. The rate of expansion of the bag is sufficiently fast for all frequencies recommended for practical use	
Patient connector	22/15 mm (ISO)	
Expiration connector (for PEEP valve attachment)	30 mm male (ISO)	
Dead space	< 5 ml	< 6 ml
Leaks (both ways)	Non-measurable	Non-measurable
Inspiratory resistance	- at 50 l/min -0.35 kPa (-3.5 cm H <sub>2</sub> O)	- at 50 l/min -0.37 kPa (-3.7 cm H <sub>2</sub> O) - at 5 l/min -0.05 kPa (-0.5 cm H <sub>2</sub> O)
Expiratory resistance	- at 50 l/min 0.26 kPa (2.6 cm H <sub>2</sub> O)	- at 50 l/min 0.45 kPa (4.5 cm H <sub>2</sub> O) - at 5 l/min 0.06 kPa (0.6 cm H <sub>2</sub> O)
Maximum attainable delivery pressure	With compliance of 0.2 l/kPa Approx. 10 kPa (100 cm H <sub>2</sub> O)	With compliance of 0.01 l/kPa Approx. 11.5 kPa (115 cm H <sub>2</sub> O)
Pressure-limiting system	The elasticity of the outer cover of the bag limits the airway pressure to approx. 7 kPa (70 cm H <sub>2</sub> O) when squeezing the bag normally with one hand	Pressure-limiting valve opening pressure approx. 4 kPa (40 cm H <sub>2</sub> O). If the pressure-limiting valve is overridden, the elasticity of the outer cover of the bag limits the airway pressure to approx. 4.5 kPa (45 cm H <sub>2</sub> O) when squeezing the bag normally with one hand
Bag reservoir volume	1500 ml	
Application temperature	-18° C to 50° C (0° F to 122° F)	
Storage temperature	-40° C to 70° C (-40° F to 158° F)	
Inspiratory resistance of the oxygen reservoir bag (without supply of oxygen)	- at 50 l/min -0.1 kPa (-1.0 cm H <sub>2</sub> O) - at 5 l/min -0.01 kPa (-0.1 cm H <sub>2</sub> O)	

The Ambu Mark IV resuscitators comply with the following standards: ASTM F 920-93(99) and EN ISO 10651-4:2002. The Ambu Mark IV resuscitators are in conformity with Directive 93/42/EEC concerning medical devices.

## ORDERING SPECIFICATIONS

Item No.	Description
299001000	Ambu Baby Mark IV Resuscitator, Open Reservoir, Size 0A Mask
299006000	Ambu Baby Mark IV Resuscitator, Bag Reservoir, Size 0A Mask
304006000	Ambu Adult Mark IV Resuscitator, Closed Reservoir, Silicone Face Mask Size 5



Mark IV oxygen reservoir bag



Mark IV nameplate



Mark IV Baby patient valve with a pressure-limiting valve

**Ambu** FOREVER FORWARD

Ambu, Inc.  
6721 Columbia Gateway Drive  
Suite 200  
Columbia, MD 21046  
Tel. 800 262 8462  
Fax 800 262 8673  
ambuUSA.com

Questions? Contact your Ambu representative  
at **800-262-8462** or visit **ambuUSA.com**



US Rx only

LBL-008896 - V02 - 02/2024 - Ambu USA. Technical data may be modified without further notice.