

# Ambu® 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® Mark IV Resuscitators

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 100 % latexfree Ambu bags 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

Product	Material
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

# 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	1300 ml	300 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.



Mark IV oxygen reservoir bag



Mark IV nameplate



Mark IV Baby patient valve with a pressure-limiting valve

## Ordering specifications

Item no.	Description
304 006 000	Ambu Mark IV adult, bag res, mask 5, and splash guard
304 007 000	Ambu Mark IV adult bag res, splash guard
304 006 000	Ambu Mark IV adult with closed reservoir, silicone face mask size 5 and splash guard
304 007 000	Ambu Mark IV adult with closed reservoir and splash guard
304 008 000	Ambu Mark IV adult with silicone face mask size 5 and splash guard
299 001 000	Ambu Mark IV baby with open tube reservoir, silicone face mask size OA
299 004 000	Ambu Mark IV baby with open tube reservoir

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US: Rx only