

# Ambu® Mark IV Resuscitators

## DATASHEET

Ambu® Mark IV resuscitators are reusable resuscitators designed for manual ventilation of adult, paediatric and infant patients. They are available in two sizes; Baby - suitable for patients with a body weight up to 20 kg, and Adult - suitable for patients with a body weight of more than 15 kg.

Featuring a single-shutter valve system, the Ambu® Mark IV has become an established choice of manual resuscitator, providing reliable ventilation to patients in both emergency and in-hospital environments for over 15 years.

The patient valve is housed in a transparent housing, which allows for users to observe the operation of the valve and ensure it's functionality. In addition, there is a swivel connector located between the patient valve and face mask that allows for 360° rotation of the resuscitator relative to the patient, this means that the operator is able to change position without interrupting ventilation.

On the Ambu® Mark IV Size Baby resuscitator, a built-in pressure limiting system is included to reduce the risk of barotrauma. If higher pressures are required, the override cap can simply be closed to prevent activation.

After use, the Ambu® Mark IV resuscitators are capable of being sterilised at a temperature of 134 °C/273.2 °F (not applicable for oxygen reservoir tube and size 0A face mask) and can be reprocessed 30 times (except the oxygen reservoir bag which can be reprocessed 15 times).



## KEY BENEFITS

Swivel connection allows for 360° rotation, making it possible to change position without interrupting patient ventilation

Single-shutter valve system for reliable functionality

Pre-attached splash guard diverts fluids and expired air away from the user, for additional protection

The Ambu® Mark IV can be sterilised at a temperature of 134 °C/273.2 °F (except oxygen tube reservoir and size 0A face mask)

Integrated pressure-limiting valve with override cap on Ambu® Mark IV Size Baby for patient safety

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## SPECIFICATIONS

	Mark IV Size Adult	Mark IV Size Baby
Resuscitator volume	Approx. 1450 ml	Approx. 420 ml
Delivered volume one hand	600 ml	300 ml
Delivered volume two hands	900 ml	-
Dimensions (length x diameter)	Approx. 270 x 130 mm	Approx. 265 x 80 mm
Weight of the resuscitator (without oxygen reservoir and mask)	Approx. 415 g	Approx. 190 g
Patient connector	Outside 22 mm male (EN ISO 5356-1) Inside 15 mm female (EN ISO 5356-1)	
Expiration connector (for PEEP valve attachment)	30 mm male (EN ISO 5356-1)	
Manometer port connector	Ø 4.2 +/- 0.1 mm	
Bag refill valve connector	Inside 32 mm female	-
O <sub>2</sub> Inlet Connector	According to EN ISO 13544-2	
Dead space	≤ 5 ml + 10 % of the delivered volume	≤ 5 ml + 10 % of the delivered volume
Leaks (both ways)	Non-measurable	Non-measurable
Pressure-limitation valve	-	40 cmH <sub>2</sub> O (4.0 kPa)
Oxygen reservoir bag volume	Approx. 1500 ml	Approx. 1500 ml (bag) Approx. 100 ml (tube)
Operation temperature	-18 °C to +50 °C (0 °F to +122 °F)	
Storage temperature	-40 °C to +60 °C (-40 °F to +140 °F)	

The Ambu Mark IV resuscitators comply with EN ISO 10651-4:2002.



Mark IV Size Adult, shown with an attached silicone face mask



Mark IV nameplate



Integrated pressure-limiting valve with override cap on Ambu® Mark IV Size Baby for patient safety

## ORDERING SPECIFICATIONS

Item no.	Description
Mark IV Size Baby	
299 006 000	With reservoir bag and silicone face mask size 0A
299 007 000	With reservoir bag and silicone face mask size 0
299 008 000	With reservoir bag and silicone face masks size 0 & 0A
299 009 000	With reservoir bag
299 001 000	With reservoir tube and silicone face mask size 0A
299 003 000	With reservoir tube and silicone face mask size 0
299 004 000	With reservoir tube
Mark IV Size Adult	
304004000	With reservoir bag
304002000	With reservoir bag and silicone face mask size 5
304009000	With reservoir bag and silicone face masks size 2 & 5
304010000	With reservoir bag and silicone face masks size 0 & 2
3040011000	With reservoir bag and silicone face masks size 2 & 5

## MATERIAL

Product	Material
Inner bag	Silicone rubber
Outer cover	Silicone rubber
Patient valve housing	PSU
Patient connector	PSU
Pressure-limiting valve*	PSU/stainless steel
Override cap*	Silicone rubber
Expiration connector	PP
Cap for manometer port*	TPV
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***	PE/PUR
Adapter for reservoir bag*/***	Silicone rubber
Reservoir housing incl. cap and screw cap***	POM/PP
Splash guard**/***	PSU

\* Mark IV Size Baby only

\*\* Mark IV Size Adult only

\*\*\* Optional accessory

CE 2797 US: Rx only

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