

Ambu® Oval Plus Silicone Resuscitators

DATASHEET

The Ambu Oval Plus is a reusable silicone resuscitator that features a single shutter valve system for reliable functionality. They are offered in a complete family of resuscitators and are designed for manual ventilation of neonates through to adults.

The Ambu Oval Plus has been developed with a textured surface that increases the grip on the resuscitator and can improve handling during ventilation. An integrated handle on the size Adult and Paediatric devices can also be used to for user support during ventilation.

A swivel connector between the patient valve and the mask, as well as between the valve and compressible bag allows for users to change position without interrupting patient ventilation. There is also a transparent patient valve housing that makes it possible to view valve functionality.

All sizes of the Ambu Oval Plus are equipped with a pressure-limiting valve system to prevent the delivery of excessive pressures.

The Ambu Oval Plus can be sterilized at 134 °C/273.2 °F (not applicable for oxygen reservoir tube), and is suitable for reprocessing 30 times. However, the O₂ reservoir bag can only withstand 15 sterilization cycles, and the O₂ reservoir tube is only suitable for manual cleaning and chemical disinfection.

It is MR conditional.



KEY BENEFITS

MR Conditional

Pressure-limiting valve helps to prevent excessive pressure being delivered to the patient

Textured surface that improves grip on the resuscitator and improve handling during ventilation

Swivel connector between valve and mask permits 360° rotation of the Ambu Oval Plus for user convenience

Suitable for sterilization at 134 °C/273.2 °F (not applicable for oxygen reservoir tube)

Single shutter valve system for reliable functionality

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SPECIFICATIONS

Description	Adult	Paediatric	Neonate
Weight without Reservoir and mask****	338 g	205 g	128 g
Pressure-limiting valve**	40 cmH ₂ O		
Dead space	≤ 5 ml + 10 % of the delivered volume		
Inspiratory resistance***, *****	with oxygen reservoir bag: 3.7 cmH ₂ O at 50 l/min	with oxygen reservoir bag: 0.7 cmH ₂ O at 5 l/min 5.0 cmH ₂ O at 50 l/min	with oxygen reservoir tube: 0.6 cmH ₂ O at 5 l/min 4.6 cmH ₂ O at 50 l/min with oxygen reservoir bag: 0.9 cmH ₂ O at 5 l/min 5.0 cmH ₂ O at 50 l/min
Expiratory resistance***, *****	2.3 cmH ₂ O at 50 l/min	4.5 cmH ₂ O at 50 l/min	1.6 cmH ₂ O at 5 l/min
PEEP generated by resuscitator in normal use with added supply gas flow***, *****	with oxygen reservoir bag: < 2 cmH ₂ O at 5, 10, and 15 l/min (V _T 450 ml, f 20)	with oxygen reservoir bag: < 2 cmH ₂ O at 5, 10, and 15 l/min (V _T 150 ml, f 25)	with oxygen reservoir tube: < 2 cmH ₂ O at 5, 10, and 15 l/min with oxygen reservoir bag: 2.5 cmH ₂ O at 5 l/min 2.8 cmH ₂ O at 10 l/min 2.8 cmH ₂ O at 15 l/min (V _T 20 ml, f 60)
Manometer port connector	Ø 4.2 +/- 0.1mm		
Bag refill valve connector*	Inside 32 mm female	Inside 32 mm female	-
O ₂ inlet connector	According to EN ISO 13544-2		
Delivered volume one hand*, ****	600 ml	450 ml	150 ml
Delivered volume two hands*, ****	1000 ml	-	-
Resuscitator volume****	Approx. 1486 ml	Approx. 624 ml	Approx. 228 ml
Dimensions (length x diameter)****	270 x 130 mm	240 x 100 mm	200 x 75 mm
Oxygen reservoir volume****	1500 ml (bag)	1500 ml (bag)	1500 ml (bag) / 100 ml (tube)
Patient connector	Outside 22 mm male (EN ISO 5356-1) / Inside 15 mm female (EN ISO 5356-1)		
Expiratory connector (for PEEP valve attachment)	30 mm male (EN ISO 5356-1)		
Forward and backward leakage	Not measurable		
Operation temperature limits*	-18 °C to + 50 °C (-0.4 °F to +122 °F)		
Storage temperature limits*	-40 °C to + 60 °C (-40 °F to + 140 °F)		

* Tested according to EN ISO 10651-4

** Higher airway pressure can be obtained by overriding the pressure-limiting valve

*** At general test conditions according to EN ISO 10651-4:2009

**** Values are approximate

***** Maximum values

Ambu Oval Plus Silicone Resuscitators can be autoclaved repeatedly at 134 °C. This product does not contain natural rubber latex. The bags are made of silicone rubber.

ORDERING SPECIFICATIONS: Ambu Oval Plus Silicone Resuscitator

Item no.	Size	Patient valve	Pressure limiting valve	Inlet valve	Reservoir type	Mask type	Mask size
A288 012 000	Neonate	Yes	Yes	Mark IV Baby	Tube	Open cuff silicone	1
A288 101 000	Neonate	Yes	Yes	Mark IV Baby	Tube	-	-
A288 103 000	Neonate	Yes	Yes	Mark IV Baby	Tube	Open cuff silicone	0
A288 104 000	Neonate	Yes	Yes	Mark IV Baby	Tube	Ambu silicone	0
A288 201 000	Neonate	Yes	Yes	Mark IV Baby	Bag	-	-
A288 203 000	Neonate	Yes	Yes	Mark IV Baby	Bag	Open cuff silicone	0
288 126 000	Neonate	Yes	Yes	Mark IV Baby	Bag	Open cuff silicone	0, 1, 2
288 127 000	Neonate	Yes	Yes	Mark IV Baby	Bag	Open cuff silicone	0, 1
370 041 000	Pediatric	Yes	Yes	Mark IV	Bag	-	-
370 042 000	Pediatric	Yes	Yes	Mark IV	Bag	Open cuff silicone	1
370 043 000	Pediatric	Yes	Yes	Mark IV	Bag	Open cuff silicone	2
370 044 000	Pediatric	Yes	Yes	Mark IV	Bag	Ambu silicone	0
370 126 000	Pediatric	Yes	Yes	Mark IV	Bag	Open cuff silicone	1, 2, 3
470 015 100	Adult	Yes	Yes	Mark IV	Bag	-	-
470 016 100	Adult	Yes	Yes	Mark IV	Bag	Open cuff silicone	5
470 017 100	Adult	Yes	Yes	Mark IV	Bag	Ambu silicone	5
470 126 000	Adult	Yes	Yes	Mark IV	Bag	Open cuff silicone	3, 4, 5

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US: Rx Only



Inlet valve with oxygen reservoir.