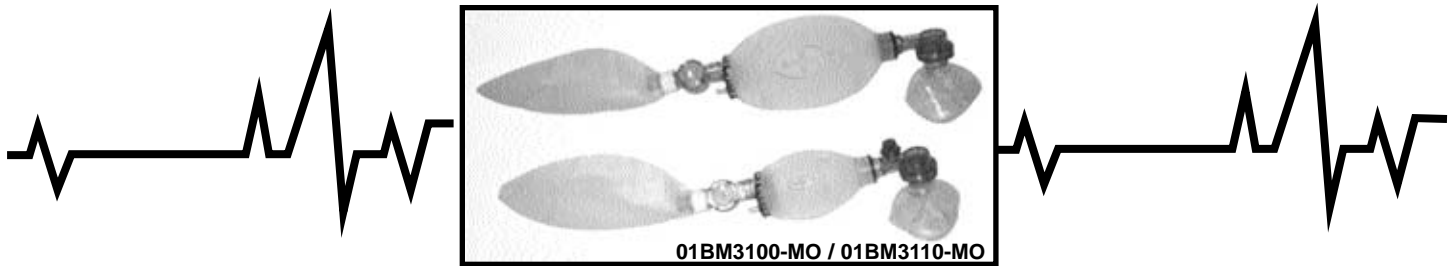


# SMART BAG<sup>®</sup> MO

**Silicone Bag-Valve-Mask Resuscitator**  
*"The Most Revolutionary Advance in  
 BVM Design for Over 40 Years"!*



The **SMART BAG<sup>®</sup>MO** Silicone Reusable Bag Valve Mask Resuscitator is a reusable device for manual ventilation. The **SMART BAG<sup>®</sup>MO** offers accurate controlled ventilation that significantly reduces the risk of gastric insufflation. The patient's airway pressure is maintained at an optimally low level due to the **SMART<sup>®</sup>** technology in the bag that responds to both the rescuer's squeeze of the bag and the patient's own respiratory condition. It is designed for use in various clinical settings to provide respiratory support to the respiratory distressed or non-breathing patient.

The Child resuscitator comes standard with a Pressure Relief Valve set at 40 cmH<sub>2</sub>O which can be overridden by the operator. A pressure relief system, set at either 40 cm H<sub>2</sub>O or 60 cmH<sub>2</sub>O, is available for the Adult resuscitator.

When used with a supplemental oxygen supply, the device may provide 100% oxygen on every squeeze of the bag.

When difficulties arise in obtaining an effective mask

seal, or the patient's respiratory condition requires the provision of high flowrates and an increase in airway pressure, the **MANUAL OVERRIDE MECHANISM** of the **SMART BAG<sup>®</sup> MO** allows the rescuer to "Disable" the **SMART<sup>®</sup>** technology and use the **SMART BAG<sup>®</sup> MO** as a standard BVM!

**Warning:**

The **SMART BAG<sup>®</sup>MO** Silicone Reusable Bag Valve Mask Resuscitator should only be used by personnel trained in Cardio Pulmonary Resuscitation and in the use of this device.

Use only as directed. Improper usage or unauthorized modification of this product may result in user or patient injury.

**Caution:**

Federal (USA) law restricts this device to sale by or on the order of a physician.

**Ordering Information:**

**01BM3100-MO** Silicone Reusable **SMART BAG<sup>®</sup>** (Adult) c/w face mask and reservoir system.

**01BM3110-MO** Silicone Reusable **SMART BAG<sup>®</sup>** (Child) c/w face mask and reservoir system.

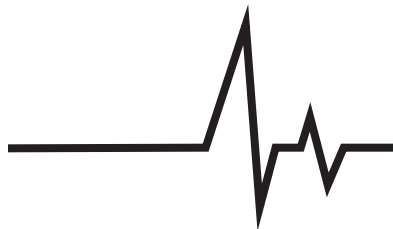
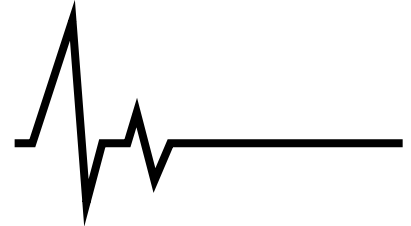
**Specifications**

Storage Temperature Range:	-40°C to 60°C (-40°F to 140°F)	Patient Valve Deadspace:	7.0 ml
Operating Temperature Range:	-18°C to 50°C ( 0°F to 122°F)	Reservoir volume:	2700 ml
Inspiratory Resistance:	3.3cm H <sub>2</sub> O	Expiratory Resistance:	2.2cm H <sub>2</sub> O
	<b>Adult</b>	<b>Child</b>	
Bag Volume:	1700 ml	470 ml	
Stroke Volume:	900 ml	250 ml	
Maximum Cycle Rate:	45 BPM	100 BPM	
Pressure Relief:	(Optional 40 or 60 cmH <sub>2</sub> O)	40 cmH <sub>2</sub> O	

## Preparation for use:

1. Inspect the **SMART BAG<sup>®</sup>MO** resuscitator to ensure that all components are present and properly assembled.
2. Test the function by occluding the patient port completely and check for resistance by squeezing the bag. (Any leaks in the system may prevent the delivery of sufficient volume to the patient).
3. Squeeze and release the **SMART BAG<sup>®</sup>MO** resuscitator a few times to ensure that air is moving through the valve system to the mask.
4. If using supplemental oxygen, attach the reservoir system to the bag refill port and ensure that the oxygen supply tubing is attached to a flowing oxygen source of at least 15 lpm. Ensure that the collapsible reservoir system is fully extended to allow maximum oxygen storage.

Oxygen concentration (%) delivered by Adult SMART BAG <sup>®</sup> MO Resuscitator (values in parentheses are without an oxygen reservoir)						
O2 Input l/min	Tidal Volume (ml) x Ventilation Frequency (BPM)					
	600 X 12	600 x 20	750 X 12	750 X 20	1000 X 12	1000 X 20
5	82 (32)	58 (34)	65 (34)	50 (30)	55 (31)	45 (31)
10	97 (37)	80 (38)	97 (37)	97 (36)	88 (36)	62 (36)
15	99 (46)	97 (45)	99 (46)	99 (44)	97 (44)	90 (46)



Oxygen concentration (%) delivered by Child SMART BAG <sup>®</sup> MO Resuscitator (values in parentheses are without an oxygen reservoir)			
O2 Input l/min	Tidal Volume (ml) x Ventilation Frequency (BPM)		
	70 X 30	200 X 30	300 X 30
5	96 (66)	59 (38)	45 (33)
10	97 (82)	97 (48)	69 (38)
15	97 (89)	97 (48)	97 (48)

## Directions for use:

**LOT #:**

1. Select the appropriate **SMART BAG<sup>®</sup>MO** resuscitator model for either Adult, Pediatric or Infant patient.
2. Ensure that the patient's airway is clear of any obstructions and remains open by properly positioning the head in accordance with recommended guidelines.
3. Maintain a proper mask-to-face seal with one hand by lifting the chin upward with the last three fingers of the hand. Keep the index finger and thumb on the top of the mask to form a tight seal around the patient's mouth and nose.
4. Gently squeeze the **SMART BAG<sup>®</sup>MO** resuscitator with the other hand until chest rises, then release. Ventilate the patient with a steady squeeze and release of the resuscitator, allowing sufficient time between inspirations to allow the patient to exhale.
5. If the child or infant bag is being used and the Pressure Relief override is desired, place a finger over the Pressure Relief Button, depress the Pressure Relief Button & rotate 90° to lock. To unlock the Pressure Relief Button, rotate the button until the arrow lines up with the arrow on the patient valve.
6. If you are unable to effect a positive mask seal/good airway control, rotate the lock out mechanism to lock out the **SMART<sup>®</sup>** valve.

## Washing and Disinfection:

1. Disassemble all parts for Cleaning. Please do not disassemble the pressure relief valve spring, just rinse it directly.
2. Wash parts thoroughly in warm water using a mild detergent. Ensure that the detergent is compatible with resuscitation equipment.
3. Rinse all parts thoroughly in clean water to remove all traces of the detergent.
4. The **SMART BAG<sup>®</sup>MO** may be sterilized by immersing in a legally marketed cold chemical sterilizing solution, autoclaving (Max 134 °C, 274 °F) or ethylene oxide gas.  
**NOTE:** The reservoir bag may not be sterilized by autoclaving.
5. Inspect all components for wear and re-assemble the resuscitator replacing any parts as deemed necessary.
6. Test the function of the re-assembled resuscitator prior to use.
7. The reservoir system is not normally contaminated internally during use and may only require external cleaning and sterilization.

## Sterilizing Timing

First use of the new resuscitator, when user changed or when the same user uses more than 48 hours.

**Caution:** Do not attempt to disassemble the **SMART<sup>®</sup> Technology Piston** in the neck bushing or the Pressure Relief Valve Assembly (where applicable), as they can be easily cleaned without disassembly.



**O-Two Medical Technologies Inc.**  
"Innovation in Resuscitation"<sup>™</sup>



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