Mercury Medical®

Your Need ... Our Innovation®

ONLY ONE

LiteSaver® Manometer

A color-coded disposable manometer with integrated timing light for improved adult ventilation.

- Variety of BVM configurations with LiteSaver Manometer
- Easy-to-Use timing light with Pull Tab for activation
- Blinks every 6 seconds/10 breaths per minute
- Assists in Reduced risk of aspiration
- Assists in Reduced stacking of breaths
- Assists in Reducing risk of hyperventilation
- Assists with improved cardiac output
- Proper ventilation rates have been shown to improve outcomes

After pulling the red tab, a red light is activated and will blink every six (6) seconds as an indication for the clinician to squeeze the bag and ventilate the patient. (Time Sequence - 10 breaths per minute)

Patents: US 8,522,618 B1 / US 9,402,781 B2 / US 10,098,809 B2 / US D 748,773S / Other patent(s) pending

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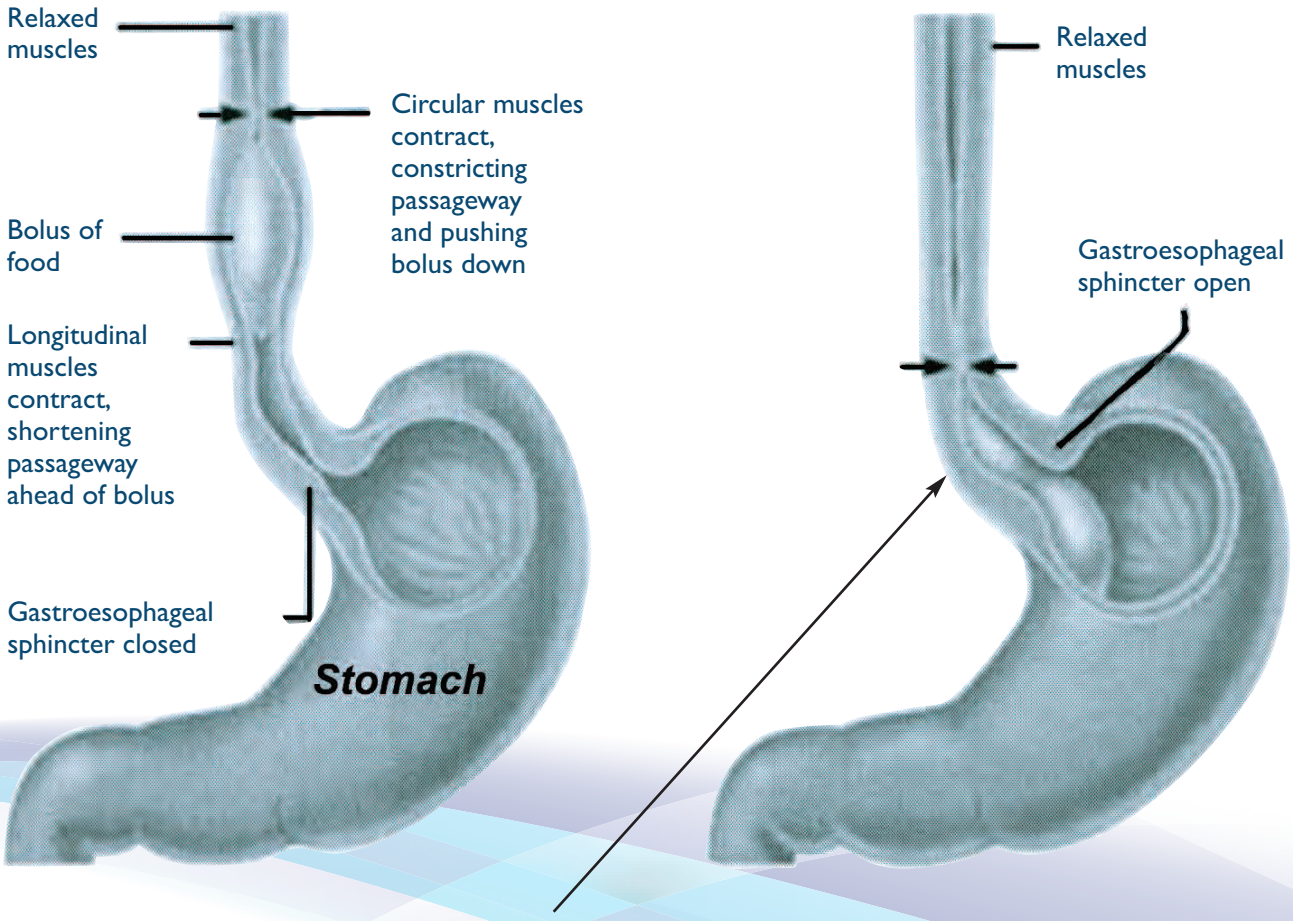
Since 1963

The LiteSaver® Manometer Advantage

Having a manometer with timing light integrated with a BVM (CPR bag) is critical for validating delivered pressures and to help reduce the incidence of aspiration which can occur between 20-25 cm H_2O as shown in the following illustration.



Gastroesophageal Sphincter opens at 20-25 cm of H_2O, combined with ventilation could cause aspiration.* Using a manometer on an adult bag can help to prevent this occurrence.

Delivering excessive ventilation rates can result in significantly increased intrathoracic pressure and markedly decreased coronary perfusion pressures and survival rates.**

LiteSaver not only provides a time indicator for ventilation, it assists clinicians in delivering a safer, slower ventilation resulting in sufficient expiration time avoiding breath stacking and the risks associated with hyperventilation.

LiteSaver Manometer sequence can be used for adult patients in respiratory or cardiac arrest only with an advanced airway – Based on 2020 AHA guidelines.

** A Reappraisal of Mouth-to-Mouth Ventilation during Bystander-Initiated Cardiopulmonary Resuscitation: Circulation Magazine 1997.*
***Hyperinflation - Induced Hypotension During Cardiopulmonary Resuscitation, Circulation Magazine 2004.*

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LiteSaver® Manometer

Disposable Color-Coded Manometer
with Integrated Timing Light
0-60 cm H_2O

CPR & CPR-2 LiteSaver Manometer Specs & Configurations

LiteSaver Manometer Specifications:

Manometer
Range: 0-60 cm H_2O
Variance: ± 3 cm H_2O up to 15 cm H_2O
± 5 cm H_2O over 15 cm H_2O
Port Size: 4.25 mm nominal

Directions for *Timing Light*:

1. Pull red tab to activate light.
2. *Timing Light* will appear every six (6) seconds, prompting user to squeeze bag and deliver 10 breaths per minute.

Integrated *Timing Light* Specifications:

Ventilation Rate:	*Approx. 10 breaths per minute
L x W x H (including pull tab):	64 mm x 33 mm x 20 mm (2.51" x 1.29" x .78")
Weight:	4.3 g
Light Cadence Time:	8 hrs. (light stays on at end of cadence)
Brightness of LED:	900 Millicandela (MCD)
Battery Shelf Life:	2 years
Storage Temperature:	-20°C ~ 60°C (-4°F ~ 140°F) per battery performance data provided by manufacturer
Operating Temperature:	0°C ~ 60°C (32°F ~ 140°F)
Humidity Range:	45% ~ 85%

** Specifications may vary depending on device and test methods.*

= CPR-2 PVC = CPR Thermoplastic Rubber ● = Popular Part Numbers

ORDERING INFORMATION

Part #	Adult	Small Adult	Oxygen Bag Reservoir	Aerosol Tubing Reservoir (22mm)	Expandable Large Bore Oxygen Reservoir	Mask*	Anatomical Color-Coded Sized Mask #3	PEEP Valve	Pop-Off	Flex-Link	Exhale Bacteria Filter	StatCO$_2$ Detector	LiteSaver Timing Light w/ 0-60 cm H_2O Manometer
#10-58200	X		X						X				X
#10-58201	X			X		X1							X
● #10-58203	X		X			X1							X
● #10-58204	X		X			X1		X					X
#10-58205	X		X				X		X				X
#10-58207	X		X				X						X
#10-58209	X		X			X1						X	X
#10-58210	X		X			X1					X		X
#10-58500		X	X						X				X
● #10-58502		X	X			X2			X				X
● #10-58503		X	X			X2,4*			X				X
● #10-58506		X	X			X1		X	X				X
#10-58507		X	X					X	X				X
#10-58509		X	X			X1			X				X
● #10-58512		X	X			X1,4*		X	X				X
#10-58514		X	X			X1		X5	X				X
#10-58001	X		X				X			X			X
#10-58002	X		X			X1							X
#10-58003	X		X				X			X		X	X
#10-58100	X				X		X						X
● #10-58400		X	X			X1							X
#10-58401		X	X			X1,2		X	X				X
#10-55365	Stand Alone LiteSaver Manometer												X
#10-55366	Right Orientation LiteSaver Manometer												X
#10-55367	Left Orientation LiteSaver Manometer												X

Key – x1 Adult Cushion Mask
x2 Small Adult Cushion Mask
x3 Child Cushion Mask
x4 Pediatric Cushion Mask
x5 PEEP Valve w/Filter

Note: Adult - 1600 ML Small Adult - 1,000 ML

*Due to the recent AHA Guidelines update, do not activate LiteSaver Manometer when using configurations with pediatric masks on pediatric patients.

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Another important development for better patient outcomes.

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