

Ventlab

VT1000 RESUSCITATION TRAINING KIT

DEMONSTRATION & TRAINING RESOURCE

The VT1000 Resuscitation Training Kit is designed to illustrate the effect excessive delivered pressure has on a patient during resuscitation. Pressures >20cm H₂O open the esophageal sphincter, forcing air into the stomach creating distention and gastric insufflation leading to aspiration and associated pneumonia.

Ventlab brand manual resuscitators feature an integrated color-coded pressure manometer. This product innovation effectively promotes proper pressure delivery to reduce gastric insufflations. Different colored fields alert to the risk level of delivered pressure. This gauge can help prevent vomiting, subsequent aspiration and costs associated with treating pneumonia.

Clinicians, students and product representatives alike can benefit from using the VT1000 to learn about and demonstrate pressure delivery, while increasing their confidence performing manual resuscitation using Ventlab brand resuscitators.



The VT1000 Training Kit and its individual components are NOT intended for patient use; it is strictly a demonstration device and practice tool.

TRAINING KIT COMPONENT LIST

ADULT AIRFLOW RESUSCITATION SYSTEM

Adult PVC Bag (1900ml)
 Adult Airflow Mask
 Patient Valve with Integrated Pressure Manometer
 BF102 Filter (19 ID x 30 OD)

SMALL ADULT AIRFLOW RESUSCITATION BAG

Small Adult PVC Bag (1500ml)
 Small Adult AirFlow Mask
 Patient Valve with Integrated Pressure Manometer
 BF102 Filter (19 ID x 30 OD)

DEMONSTRATION MODEL

6" Flex Neck Corrugated Tubing
 CPAP Valve
 Bifurcated WYE
 Test Lung (2 Liter Hyperinflation Bag, Plastic Jacket, Connector, Rubber Band)
 Stomach Model (Inflatable Bag)
 22mm OD x 22 mm ID Connector (2)
 20mm ID x 22mm ID Connector
 22mm ID x 22mm OD Connector

SUPPORT AND REFERENCE MATERIALS

Manometer Benefits DVD
 Manometer Reference Articles, Binder
 Duffel Bag

If your training kit does not include all of these components, please contact us at 1-800-433-2797.



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INSTRUCTIONS FOR USE

1. The VT1000 Resuscitation Training Kit includes a model that represents the lung (A), the stomach (B), the esophageal sphincter (C), and the airway (D). Because the esophageal sphincter naturally opens at 20cm H₂O, the esophageal sphincter model is designed to open at this same pressure rate.
2. A resuscitation bag attaches to the VT1000 and allows ventilation of the model. If pressures are kept *below* 20cm H₂O, all the air passing through the bag will go to the lung and *only* lung expansion will occur.
3. When delivered pressures *exceed* 20cm H₂O, more and more of the air passing through the resuscitation bag will go into the stomach and the translucent bag attached to the valve will begin to inflate. This represents gastric insufflations which will likely lead to vomiting, aspiration, and potentially pneumonia.
4. Delivered pressures <20cm H₂O will not inflate the stomach model as the esophageal sphincter cannot open allowing air into the stomach.
5. The integrated pressure manometer displays the pressure level; it is a valuable mechanism for monitoring pressure delivery.

Note:

Both adult and small adult size resuscitation bags are provided. By training with both bags, the user can experience the nuances between different sized pressure delivery devices. The user can determine which size bag enables them to best meet the AHA's recommendations for resuscitation delivery volume and rate.

For additional product information, please call 1-800-433-2797.

