



## Rodent Anesthesia Mask User Instructions

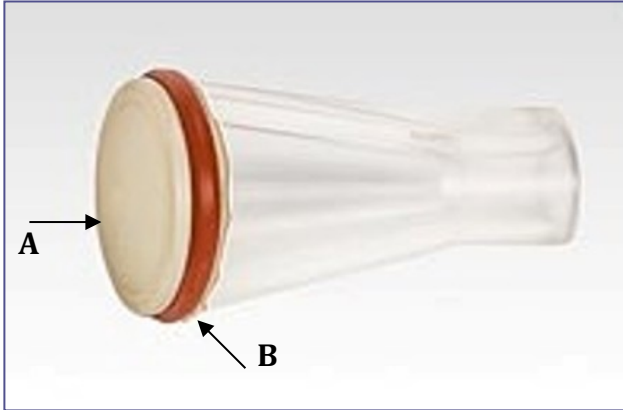


Figure 1- Anesthesia Mask

### CAUTION

**THIS PRODUCT  
CONTAINS NATURAL  
LATEX RUBBER WHICH  
MAY CAUSE ALLERGIC  
REACTIONS IN SOME  
INDIVIDUALS**

**A.** 12 mil Latex Diaphragm.

**Note:** Each system comes with an extra 6 inch X 6 inch sheet of latex diaphragm material to facilitate replacing defective diaphragms. **Note:** Extra diaphragm material may be purchased separately.

**B.** Silicone "O" ring for nosecone.

**Note:** Each system comes with an extra "O" ring.

### **Application:**

The system is a coaxial non-rebreathing system and is designed to be used primarily with mice and rats. It is usually used in conjunction with an inhalant anesthesia system; however, it can be used to administer oxygen and/or other metabolic gases without inhalant anesthesia (for example if the subject were anesthetized with an injectable anesthetic).

Any species can be safely anesthetized with the nose cone as long as:

1. The subject's muzzle and/or breathing apparatus can fit within the nosecone.
2. The reservoir of fresh gas in the nosecone is large enough to meet and/or exceed the tidal volume of the subject.
3. The proper oxygen flow rate is maintained to ensure no buildup of CO<sub>2</sub> in the nosecone.



### Use and Operation:

1. Cut an appropriate sized hole in diaphragm nosecone.
  - a. The diaphragm can be cut appropriately (see section entitled "Replacing the Diaphragm") using a pair of delicate sharp/sharp scissors.
  - b. It is vital to the proper operation of the system that the diaphragm of the Anesthesia Mask is cut with the proper-sized orifice--appropriate for the size of the subject and the position of the subject. The circular hole in the diaphragm needs to be small enough such that the diaphragm forms a tight seal around the subject's muzzle, but large enough so that it is not too tight and occludes the nares preventing proper spontaneous breathing.

**Do not cut a cross (+) or an "X" in the diaphragm for the subject's nose because diaphragm will not seal properly around the subject's muzzle and anesthetic gases will escape into work space.**

### Replacing the "O" ring and the diaphragm on the Anesthesia Mask:

- The silicone "O" ring holds the diaphragm material in place on the Anesthesia Mask.
  - Silicone is more resistant to photo degradation and oxidation than latex. However, when it becomes cracked or broken and will no longer hold the diaphragm material in place, it must be changed. An extra "O" ring comes with each kit and can be purchased separately if needed.
- The diaphragm is made of 12 mil thickness latex sheet material. This material is thick, durable, and resistant to tearing, and more resistant to oxidation than surgery glove material (2 - 3 mil thickness).

**We do not recommend that you replace the diaphragms with surgery glove material.**

Surgery gloves are potentially permeable to anesthetic gases allowing the waste anesthetic gases to escape into the environment.

1. The "O" ring can be removed by rolling it from the groove it rests in. Using your thumb, press down and roll the "O" ring to the front of the Anesthesia Mask to dislodge it from its groove.
2. Discard defective latex diaphragm. The "O" ring can be reused if it is not cracked or broken.
3. Install new latex diaphragm.
  - a. Stretch the new diaphragm material over the end of the Anesthesia Mask, holding it in place with the thumb and forefinger of one hand.
  - b. Reinstall the "O" ring over the new diaphragm material and allow it to rest in the groove in the Anesthesia Mask.
    - i. Make certain that there is no gap around the periphery of the diaphragm where trace anesthetic gases might escape.
  - c. Pull the diaphragm material around the edges to smooth out the diaphragm and create a slight tension on the diaphragm.



- d. Using a pair of delicate sharp/sharp scissors, cut off the excess diaphragm material from around the "O" ring. Save the rest of the new diaphragm material for subsequent diaphragm replacements.

**PLEASE CONTACT TECHNICAL SUPPORT WITH ANY QUESTIONS**

## Anesthesia Mask Connections

<b>Traditional VetFlo Kits</b>	<b>SomnoSuite Kits</b>
1 set (2 pieces) 1/4" tube adapters 1 set (2 pieces) 3/8" tube adapters	Male Luer connectors
36" delivery tubing (3/16" i.d.)	18" delivery tubing (3/16" i.d.)