

# aerfree™ Airway Management System

## Quick Tips

This Quick Tips guide is an abbreviated and excerpted form of the complete Instructions For Use (IFU). Its purpose is to provide a convenient reference during the application of the aerFree™ Airway Management System (Figure 1.)

Do not attempt to use the aerFree™ system without reading and becoming familiar with the complete IFU.

Flange with adhesive coating and protective covering

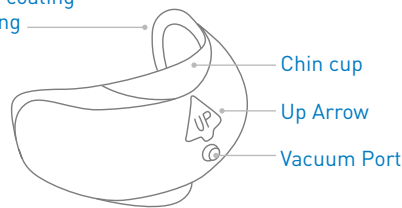


Figure 1

### WARNING:

#### Maximum duration of use

- Use is limited to procedures less than 2 hours in duration, based on the maximal time of exposure to the aerFree™ system in clinical studies which focused on carotid blood flow
- Use of the aerFree™ system is not a substitute for continuously monitoring the patient's respiratory status

Just prior to inducing sedation, apply the aerFree™ collar as follows:

- Skin prep should be accomplished utilizing 1 or more alcohol swabs to cleanse the area of the aerFree™ application. This should include an area from 1 inch above the mandible to 3 inches below the mandible from earlobe to earlobe
- Connect the aerFree™ system to a regulated source of vacuum, and adjust the vacuum level to a value between -40 and -48 cm H<sub>2</sub>O (-29 to -35 mm Hg) (Figure 2.)

Flange with adhesive coating

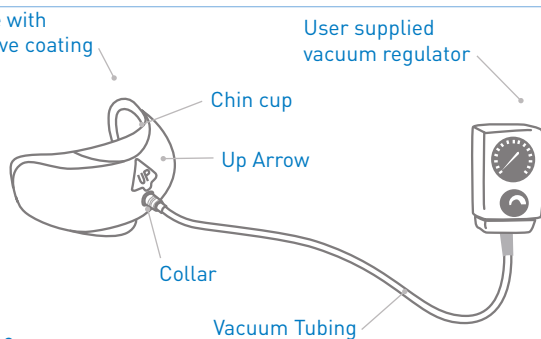


Figure 2

- Place patient in supine position
- Remove protective liner from the adhesive gel, being careful to keep it clean and free of any contaminants prior to placing it on the patient (Figure 3.)

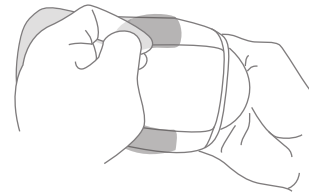


Figure 3

- Rest Chin Cup symmetrically on patient's chin, with reference arrow pointing up towards patient's nose (Figure 4.)



Figure 4

- Grasp the lateral ends of collar and hold away from patient's skin, while rotating the bottom edge of the collar toward the suprasternal notch. When the bottom of the sealing flange is resting on the patient's skin, release the lateral ends, allowing the entire flange to contact the patient's skin, without overlapping the ears (Figure 4.)
- Verify the flange is flat against patient's skin along its entire perimeter. If necessary, reposition collar so the flange is not on top of the patient's ear(s), or hair, and no visible air gaps exist between the flange and the patient's skin. To reposition the collar, gently peel the adhesive gel away from the patient's skin; it will retain its adhesive quality
- The positioning of the collar and effectiveness of the seal can be verified by observing that the vacuum gauge on the regulator shows a value within the operating range. If the vacuum level displayed on the regulator does not rise to the operating range it may indicate a leak along the collar flange. If necessary to resolve leak, the collar may be peeled off patient's skin and carefully repositioned

## System Troubleshooting

Issue Observed	Potential Cause	Corrective Action
Does not attach or seal properly to patient's neck	<ul style="list-style-type: none"> <li>• Collar incorrectly positioned</li> <li>• Vacuum regulator may be turned off, and/or vacuum source or tubing may be blocked</li> <li>• Collar doesn't fit patient</li> </ul>	<ul style="list-style-type: none"> <li>• Refer to positioning instructions – re-position of necessary</li> <li>• Verify the external vacuum source is turned on and is adjusted to the proper operating range. Check tubing for leaks at connection points and/or blockage</li> <li>• Discontinue use of collar</li> </ul>
Does not maintain a patent airway (airway obstruction and/or respiratory distress still occurs)	<ul style="list-style-type: none"> <li>• Flexible tubing may be kinked or blocked.</li> <li>• Patient may not respond to aerFree™</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure flexible tubing is not blocked</li> <li>• Use alternative means of maintaining airway patency</li> </ul>
Redness, irritation or swelling develops under collar	<ul style="list-style-type: none"> <li>• Patient sensitivity to system materials</li> </ul>	<ul style="list-style-type: none"> <li>• Discontinue use of collar</li> </ul>

For more information visit our website at [www.smiths-medical.com](http://www.smiths-medical.com)

PRODUCT(S) DESCRIBED MAY NOT BE LICENSED OR AVAILABLE FOR SALE IN CANADA AND OTHER COUNTRIES

**Distributed by:**  
**Smiths Medical ASD, Inc.**  
 Minneapolis, MN 55442, USA  
 Tel: +1-614-210-7300  
[www.smiths-medical.com](http://www.smiths-medical.com)

**Smiths Medical ASD, Inc.**  
 6000 Nathan Lane North  
 Minneapolis, MN 55442, USA  
 Tel: 1-614-210-7300  
 Toll-Free USA: 1-800-258-5361

**Manufactured by:**  
 Sommetrics, Inc.  
 2384 La Mirada Drive  
 Vista, CA 92081  
 Tel: 1-760-842-7605

MPAUC-1732

**Rx  
 ONLY**

smiths medical

Find your local contact information at: [www.smiths-medical.com/customer-support/contact-us](http://www.smiths-medical.com/customer-support/contact-us)

Smiths Medical is part of the global technology business Smiths Group plc. Please see the Instructions for Use/Operator's Manual for a complete listing of the indications, contraindications, warnings and precautions. The Smiths Medical design mark is a trademark of Smiths Medical. The symbol ® indicates the trademark is registered in the U.S. Patent and Trademark Office and certain other countries. All other names and marks mentioned are the trademarks or service marks of their respective owners. ©2017 Smiths Medical. All rights reserved. GA194072EN-092017