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

WARNING: LMA Classic™ is supplied non-sterile and must be cleaned and sterilised before initial use and before each subsequent use. The packaging cannot withstand the high temperatures of autoclaving and should be discarded before sterilisation.

DEVICE DESCRIPTION:
The LMA Classic™ is the first LMA airway. It is a reusable general purpose airway for elective and emergency procedures.

LMA Classic™ consists of three main components made primarily of medical grade silicone: an airway tube, cuff and inflation line. The airway is a large-bore tube with a 15mm connector on the proximal end. The distal end is fitted with an elliptical cuff which is inflated and deflated via a valve on the end of the inflation line. The mask is designed to conform to the contours of the hypopharynx with its lumen facing the laryngeal openings and covering supraglottic structures.

LMA Classic™ is made primarily of medical grade silicone and is not made with natural rubber latex.

Teleflex Medical recommends LMA Classic™ be used a maximum of 40 times before being discarded. Continued use beyond the maximum times is not recommended as degradation of the components may result in impaired performance or abrupt failure of the device. Steam autoclave is the only recommended method for sterilization.

The device is only for use by medical professionals trained in airway management.

INDICATIONS FOR USE:
It is indicated for use in achieving and maintaining control of the airway during routine and emergency anaesthetic procedures in fasted patients using either spontaneous or Positive Pressure Ventilation (PPV).

It is also indicated for securing the immediate airway in known or unexpected difficult airway situations. It is best suited for use in elective surgical procedures where tracheal intubation is not necessary.

It may be used to establish an immediate, clear airway during cardiopulmonary resuscitation (CPR) in the profoundly unconscious patient with absent glossopharyngeal and laryngeal reflexes requiring artificial ventilation. In these cases, LMA Classic™ should be used only when tracheal intubation is not possible.

RISK-BENEFIT INFORMATION:
When used in the profoundly unresponsive patient in need of resuscitation or in a difficult airway patient on an emergency pathway (i.e., “cannot intubate, cannot ventilate”), the risk of regurgitation and aspiration must be weighed against the potential benefit of establishing an airway.

CONTRAINDICATIONS:
Due to the potential risk of regurgitation and aspiration, do not use the LMA Classic™ as a substitute for an endotracheal tube in the following elective or difficult airway patients on a non-emergency pathway:
1. Patients who have not fasted, including patients whose fasting cannot be confirmed.
2. Patients who are grossly or morbidity obese, more than 14 weeks pregnant or emergency and resuscitation situations or any condition associated with delayed gastric emptying, or using opiate medication prior to fasting.

The LMA Classic™ is also contraindicated in:
3. Patients with fixed decreased pulmonary compliance, or peak inspiratory pressure anticipated to exceed 20 cm H2O, because the device forms a low-pressure seal (approximately 20 cm H2O) around the larynx.
4. Adult patients who are unable to understand instructions or cannot adequately answer questions regarding their medical history, since such patients may be contraindicated for LMA Classic™ use.
5. The LMA Classic™ should not be used in the resuscitation or emergency situation in patients who are not profoundly unconscious and who may resist device insertion.

ADVERSE EFFECTS:
There are reported adverse reactions associated with the use of laryngeal mask airways. Standard textbooks and published literature should be consulted for specific information.

WARNINGS:
1. To avoid trauma, excessive force should not be used at any time when using the devices. Excessive force must be avoided at all times.
2. Do not use the device as a laryngoscope.
3. Never over-inflate the cuff of the device over 60 cm H2O. Excessive intra-cuff pressure can result in malposition and pharyngo-laryngeal morbidity, including sore throat, dysphagia and nerve injury.
4. Do not immerse or soak the device in liquid prior to use.
5. It is most important that pre-use checks are carried out on the device prior to use, in order to establish whether it is safe for use. Failure of any one test indicates the device should not be used.
6. When applying lubricant avoid blockage of the airway aperture with the lubricant.
7. A water-soluble lubricant, such as K-Y Jelly®, should be used if it is not ideal. Do not use silicone-based lubricants as they degrade LMA Classic™ components. Lubricants containing Lidocaine are not recommended for use with the device. Lidocaine can delay the return of the patient’s protective reflexes expected prior to removal of the device, may possibly provoke an allergic reaction, or may affect the surrounding structures, including the vocal cords.
8. Do not use germicides, disinfectants, or chemical agents such as glutaraldehyde (e.g. Cidex®), ethylene oxide, phenol-based cleaners, iodine-containing cleaners or quaternary ammonium compounds to clean or sterilise LMA Classic™. Such substances are absorbed by the device materials, resulting in exposure of the patient to unnecessary risk and possible deterioration of the device. Do not use a device that has been exposed to any of these substances.
9. Failure to properly clean, rinse and dry a device may result in retention of potentially hazardous residues or inadequate sterilisation.
10. Diffusion of nitrous oxide, oxygen, or air may increase or decrease cuff volume and pressure. In order to ensure that cuff pressures do not become excessive, cuff pressure should be measured regularly during a case with a cuff pressure monitor.
11. When using the device in special environmental conditions, such as enriched oxygen, ensure that all necessary preparation and precautions have been taken, especially with regard to fire hazards and prevention. The device may be flammable in the presence of lasers and electrocautery equipment.
12. The LMA Classic™ does not prevent regurgitation or aspiration. Its use in anaesthetised patients should be restricted to fasting patients. A number of conditions predispose to regurgitation under anaesthesia. Do not use the device without taking appropriate precautions to ensure the stone is empty.
13. Refer to MRI information section prior to using the devices in MRI environment.

CAUTIONS:
1. Laryngeal spasm may occur if the patient becomes too lightly anaesthetised during surgical stimulation or if bronchial secretions irritate the vocal cords during emergence from anaesthesia. If laryngeal spasm occurs, treat the cause. Only remove the device when airway protective reflexes are fully competent.
2. Do not pull or use undue force when handling the inflation line or try to remove the device from patient by the inflation tube as it may detach from the cuff spigot.
3. Only use a syringe with standard luer taper tip for inflation or deflation.
4. Careful handling is essential. Avoid contact with sharp or pointed objects at all times to prevent tearing or perforation of the device. Do not insert the device unless the cuffs are fully deflated as described in the instructions for insertion.
5. If airway problems persist or ventilation is inadequate, the device should be removed and an airway established by some other means.
6. Store the device in a dark cool environment, avoiding direct sunlight or extremes of temperatures.
7. Used device shall follow a handling and elimination procedure for bio-hazard products, in accordance with all local and national regulations.
8. Gloves should be worn during preparation and insertion to minimize contamination of the device.
9. Ensure all removable denture work is removed before inserting the device.
10. An unreliable or obstructed airway may result in cases where the device has been incorrectly inserted.
11. Only use with the recommended manoeuvres described in the instructions for use.

PREPARATION FOR USE:
Choose the correct size of LMA Classic™

Patient Weight/Size
1 : up to 5kg neonatal 3: 30kg-50kg paediatric
1½: 5kg-10kg paediatric 4: 50kg-70kg adult
2 : 10kg-20kg paediatric 5: 70kg-100kg adult
3½: 20kg-30kg paediatric 6: >100kg adult

Keep a clearly marked syringe for inflation and deflation of the cuff.

PRE-USE CHECKS:
Warning: It is most important that pre-use checks are carried out on LMA Classic™ prior to use, in order to establish whether it is safe for use.

Warning: Failure of any one test indicates the device should not be used.

These tests should be carried out as follows:
1. Examine the interior of the airway tube to ensure it is free from blockage or loose particles. Examine the tube throughout its length. Should any cuts or indentations be found, discard the device.
2. Holding at each end flex the airway tube to increase its curvature up to but not beyond 180°. Should the tube kink during this procedure, discard the device.

Page 1 of 4
3. Deflate the cuff fully. Reinflate the device with a volume of air 50% greater than the maximum inflation value for each size.

Size 1 6ml Size 2 15ml Size 3 30ml
Size 1½ 10ml Size 4 45ml Size 2½ 21ml
Size 2 15ml Size 5 60ml Size 6 75ml

Examine the cuff for leaks, herniations and uneven bulging. If any indication of these, discard the device. A herniating mask may cause obstruction during use. Then deflate the mask again. While the device remains 50% over-inflated, examine the blue inflation pilot balloon. The balloon shape should be elliptical, not spherical.

4. Examine the airway connector. It should fit securely into the airway tube and it should not be possible using reasonable force, to remove. Do not use excessive force or twist the connector as this may break the seal. If the connector is loose, discard the device to avoid the risk of accidental disconnection during use.


6. Gently pull the inflation line to ensure it is securely attached to both the cuff and balloon.

7. Examine the aperture in the mask. Gently probe the two flexible bars traversing the mask aperture to ensure they are not broken or otherwise damaged. If the aperture bars are not intact, the epiglottis may obstruct the airway. Do not use if the aperture bar is damaged.

PRE-INSERTION PREPARATION:

Deflate completely using the LMA™ Cuff Deflator in order to create the stiff thin leading edge necessary to wedge the tip behind the cricoid cartilage. The cuff should fold back away from the aperture bars. Lubricate the back of the cuff thoroughly just before insertion. Do not lubricate the front as this may result in blockage of aperture bar or aspiration of lubricant.

Warning: A water-soluble lubricant, such as K-Y® Jelly, should be used. Do not use silicone-based lubricants as they degrade the LMA Classic™ components. Lubricants containing Lidocaine are not recommended for use with the device. Lidocaine can delay the return of the patient’s protective reflexes expected prior to removal of the device, may possibly provoke an allergic reaction, or may affect the surrounding structures, including the vocal cords.

Caution: Ensure all removable denture work is removed before inserting the device.

INSERTION:

Caution: Gloves should be worn during preparation and insertion to minimize contamination of the device.

Caution: The patency of the airway should be reconfirmed after any change in the patient’s head and neck position.

Standard Insertion Method:

1. Anaesthesia must be deep enough to permit insertion.

Do not try to insert immediately following barbiturate induction, unless a relaxant drug has been given.

2. Position the head and neck as for normal tracheal intubation.

Keep the neck flexed and the head extended by pushing the head from behind with one hand while inserting the mask into the mouth with the other hand (Fig.1).

3. When inserting the mask, hold it like a pen with the index finger placed anteriorly at the junction of the cuff and tube (Fig.1). Press the tip up against the hard palate and verify it lies flat against the palate and that the tip is not folded over, before pushing further into the pharynx.

4. Using the index finger, push the mask backwards still maintaining pressure against the palate (Fig.2).

5. As the mask moves downwards, the index finger maintains pressure backwards against the posterior pharyngeal wall to avoid collision with the epiglottis. Insert the index finger fully into the mouth to complete insertion (Fig.3). Keep other fingers out of the mouth. As insertion progresses, the flexor surface of the whole index finger should lie along the tube, keeping it firmly in contact with the palate. (Fig.3).

AVOID INSERTING WITH SEVERAL MOVEMENTS OR JERKING UP AND DOWN IN THE PHARYNX AFTER RESISTANCE IS FELT.

When resistance is felt the finger should already have been fully inserted into the mouth. Use the other hand to hold the tube while withdrawing the finger from the mouth (Fig.4).

6. Check that the black line on the tube faces the upper lip.

Now immediately inflate the cuff without holding the tube.

Do this BEFORE connection to the gas supply. This will permit the device to position itself correctly. Inflate the cuff with sufficient air to obtain a low pressure seal. During cuff inflation, do not hold the tube as this prevents the device from settling into its correct location.

Warning: NEVER OVERINFLATE THE CUFF.

Maximum inflation volumes (ml)

<table>
<thead>
<tr>
<th>Size</th>
<th>1</th>
<th>1½</th>
<th>2</th>
<th>2½</th>
<th>3</th>
<th>4</th>
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<th>6</th>
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<td>Size 1</td>
<td>4</td>
<td>7</td>
<td>10</td>
<td>14</td>
<td>19</td>
<td>30</td>
<td>40</td>
<td>50</td>
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</table>

7. Connect to the gas supply, holding the tube, to prevent displacement. Gently inflate the lungs to confirm correct placement. Insert a roll of gauze as a bite-block (ensuring adequate thickness), and tape the device into place, ensuring that the proximal end of the airway tube is pointting caudally. When correctly placed, the tube should be pressed back into the palate and posterior pharyngeal wall. When using the device, it is important to remember to insert a bite block at the end of the procedure.

MAINTAINING THE AIRWAY:

1. Obstruction can occur if the device becomes dislodged or is incorrectly inserted. The epiglottis may be pushed down with poor insertion technique. Check by auscultation of the neck and correct by re-insertion or elevation of the epiglottis using a laryngoscope.

2. Malposition of mask tip into the glottis may mimic bronchospasm.

3. Avoid moving the device about in the pharynx when the patient is at a light plane of anaesthesia.

4. Keep the bite-block in place until the device is removed.

5. Do not deflate the cuff until reflexes have fully returned.

6. Air may be withdrawn from the cuff during anaesthesia to maintain a constant intracuff pressure (always less than 60cm H₂O).

REMOVAL:

1. The LMA Classic™, together with the recommended bite-block, should be left in place until the return of consciousness. Oxygen should be administered using a “T” piece system and standard monitoring should be in place. Before attempting to remove or deflate the device, it is essential to leave the patient completely undisturbed until protective reflexes have fully returned. Do not remove the device until the patient can open the mouth on command.

2. Look for the onset of swallowing which indicates reflexes are almost restored. It is usually unnecessary to perform suction because the correctly used LMA Classic™ protects the larynx from oral secretions. Patients will swallow secretions on removal. Suction equipment should however be available at all times.

3. Deflate the cuff completely just prior to removal, although partial deflation can be recommended in order to assist in the removal of secretions.

CLEANING:

Thoroughly wash the cuff and airway tube in warm water using a dilute (8-10% v/v) sodium bicarbonate solution until all visible foreign matter is removed.

Mild detergents or enzymatic cleaning agents may be used in accordance with the manufacturer’s instructions and at the proper dilution. The detergent must not contain skin or mucous membrane irritants. A specific cleaner found to be compatible with LMA Classic™ use is Endozime® (Ruhof, Valley Stream, NY).

Warning: Do not use germicides, disinfectants, or chemical agents such as glutaraldehyde (e.g. Cedex®), ethylene oxide, phenol-based cleaners or iodine-containing cleaners to clean or sterilise the LMA Classic™. Such substances are absorbed by the device.
materials, resulting in exposure of the patient to unnecessary risk and possible deterioration of the device. Do not use a device that has been exposed to any of these substances.

**Caution:** Do not expose the valve (the white plastic piece protruding from the blue inflation balloon) to any cleaning solution as it may cause premature valve failure.

If the inner valve is exposed to a cleaning solution, rinse thoroughly under warm flowing tap water, remove excess moisture, and allow it to dry. If moisture is noticed in the valve, tap against a towel to remove excess moisture. Clean the device using a small soft bristle brush (approximately 1/2 inch or 12.5mm in diameter). Gently insert the brush through the aperture bars into the airway tube, taking care not to damage the bars. Thoroughly rinse the cuff and airway tube in warm flowing tap water to remove cleaning residues. Carefully inspect the device to ensure that all visible foreign matter has been removed.

Repeat the above as necessary.

**Warning:** Failure to properly clean, rinse and dry a device may result in retention of potentially hazardous residues or inadequate sterilisation.

**STERILISATION:**
Immediately prior to steam autoclaving, deflate the cuff completely. Ensure that both the syringe used to deflate the cuff and the valve is dry.

**Caution:** Any air or moisture left in the cuff will expand at the high temperatures and low pressures of the autoclave, causing irreparable damage (herniation and/or rupture) to the cuff and/or inflation balloon.

To avoid damage to the valve, do not use excessive force when inserting the syringe into the valve port. Remove the syringe from the valve port after deflation.

If a deflated mask immediately and spontaneously reinflates after the syringe has been removed, do not autoclave or re-use the mask. This indicates the presence of a defective device. It is normal, however, for the device to re-inflate slowly over a period of several hours as the silicone rubber material is permeable to gas.

Steam autoclave the device following the recommendations of the institution or the autoclave manufacturer. All steam autoclave cycles typically used for porous items are acceptable for sterilisation of the LMA Classic™, provided the maximum autoclave temperature does not exceed 137°C or 278.6°F. One steam sterilization cycle that is suitable for reusable device is to expose the device to steam at 134°C with a hold time of at least 10 minutes.

**Caution:** The integrity of the reusable LMA Classic™ materials may be adversely affected by exceeding sterilization temperatures of 137°C or 278.6°F.

Autoclaves vary in design and performance characteristics. Cycle parameters should therefore always be verified against the autoclave manufacturer’s written instructions for the specific autoclave and load configuration being used.

Healthcare personnel are responsible for adhering to the appropriate sterilisation processes which have been specified. Failure to do so may invalidate the sterilization process of the healthcare facility. After autoclaving allow the device to cool to room temperature before use.

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**USE WITH MAGNETIC RESONANCE IMAGING (MRI):**

The LMA Classic™ is MR Conditional. Non-clinical testing demonstrated that this product is MR Conditional. A patient with this device can be scanned safely, immediately after placement under the following conditions:

- Before the patient enters the MRI system room, the airway must be fixed properly in place with adhesive tape, cloth tape or other appropriate means to prevent movement or dislodgement.
- Static magnetic field of 3-Tesla or less
- Maximum spatial gradient magnetic field of 720 gauss/cm (7.2T/m) or less
- Maximum MR system reported, whole body averaged specific absorption rate (SAR) of 4-W/kg (First Level Controlled Operating Mode of operation for the MRI system) for 15 min. of scanning (per pulse sequence).

**MRI-Related Heating**

Under the scan conditions defined above, LMA Classic™ is expected to produce a maximum temperature rise of 2.2°C after 15 minutes of continuous scanning.

**Artifact Information**

The maximum artifact size as seen on a gradient echo pulse sequence and a 3-Tesla MRI system extends approximately 20-mm relative to the size and shape of the LMA Supreme, Size 5 which is also applicable to the LMA Classic™.

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**SYMBOL DEFINITION:**

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<tr>
<th>Symbol</th>
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<tr>
<td></td>
<td>Manufacturer</td>
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<td>Consult IFU on this website: <a href="http://www.LMACO.com">www.LMACO.com</a></td>
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<td>Air inflation volume</td>
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<td>Patient weight</td>
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<td>Read Instructions before use</td>
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<td>Not made with natural rubber latex</td>
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<td>Do not reuse more than 40 times</td>
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<td>Non-sterile</td>
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The information given in this document is correct at the time of going to press. The manufacturer reserves the right to improve or modify the products without prior notification.

Manufacturer’s Warranty:
The LMA Classic™ is reusable and warranted against manufacturing defects for forty (40) uses or a period of one (1) year from date of purchase (whichever is the earlier), subject to certain conditions. The completed record card must accompany any product returned for evaluation.

Warranty is applicable only if purchased from an authorized distributor. TELEFLEX MEDICAL DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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