LMA® Protector™ Airway
with Cuff Pilot™ Technology
Revolutionizing Airway Access
Our Past Inspiring Our Future

In 1988 the practice of anesthesia was revolutionized by Dr. Archie Brain with the development of the first LMA® Airway. Today, the LMA® Brand from Teleflex has a rich history of innovation supported by millions of global uses and thousands of clinical studies. Teleflex is continuing this legacy, driving the innovation of technologies designed to improve patient outcomes and procedural efficiencies.

"The LMA®, a simple but brilliant idea, has made the life of the anesthetist much easier, and the life of our patients for whom we care that much safer."


There are clear benefits of using an LMA® Airway vs. an ETT which include:1

• Improved hemodynamic stability at induction and during emergence
• Minimal increase in intraocular pressure following insertion
• Reduced anesthetic requirements for airway tolerance
• Lower frequency of coughing during emergence
• Improved oxygen saturation during emergence
• Lower incidence of sore throats in adults
• Increased speed and ease of placement by inexperienced personnel
• Increased speed of placement by anesthesiologists
• Using an endotracheal tube in place of an LMA® Airway has been shown to result in increased drug cost and higher overall costs depending on the length of the case.2
Revolutionizing airway access

LMA® Protector™ Airway with Cuff Pilot™ Technology

The LMA® Protector™ Airway delivers in a new era in the evolution of airway management and is the next advanced, single-use, second-generation supraglottic airway device from Teleflex. This unique combination of innovation and design can help reduce the risk of airway-related complications and improve patient outcomes.

Cuff Pilot™ Technology

Integrated cuff pressure monitoring

The LMA® Protector™ Airway is configured with Cuff Pilot™ Technology, the world’s first integrated cuff pressure indicator for single-use airway management devices. This enables clinicians to ensure that the inserted cuff is correctly inflated, allows them to monitor pressure levels at a glance and adjust appropriately.

Silicone cuff with First Seal™ and Second Seal™ Technology

The soft, silicone, integrated cuff in the LMA® Protector™ Airway is designed to conform to the contours of the hypopharynx and facilitate esophageal seal (Second Seal™ Technology). It ensures the distal tip of the esophageal seal is placed at the upper esophageal sphincter and is designed to minimize gastric insufflation and facilitate gastric access.

Dual gastric access

Silicone design with dynamic curve

The multipurpose, single-use laryngeal mask features a 100% silicone airway tube and cuff, with a dynamic curve that conforms to the contours of the anatomy, allowing for rapid insertion and a secure fit in both routine and compromised airway situations.

First Seal™ Technology

Second Seal™ Technology

Silicone cuff with First Seal™ and Second Seal™ Technology

The soft, silicone, elongated inflatable cuff is designed to conform to the contours of the hypopharynx and achieve an oropharyngeal seal (First Seal™ Technology) equivalent to the LMA® ProSeal™ Airway (>30 cm H2O). The esophageal seal (Second Seal™ Technology) secures the distal tip at the upper esophageal sphincter and is designed to minimize gastric insufflation and facilitate gastric access.

Ability to intubate

The airway tube allows for effective, direct intubation with endotracheal tubes up to 7.5 mm.

Yellow zone

0-40 cm H2O

Green zone

40-60 cm H2O

Clear zone

60-70 cm H2O

Red zone

70+ cm H2O

Studies show that clinicians are needlessly overinflating the cuffs of laryngeal mask airways, impairing their function and giving half of patients sore throats. In some reports, 70% of laryngeal mask airways were overinflated and, in one, a staggering 97%. It has been shown repeatedly that injecting the maximum recommended volume of air results in cuff pressures approximately twice the maximum recommended and even as high as 200 cm H2O. Multiple studies in tracheal tubes and laryngeal mask airways have shown that clinicians, regardless of experience and seniority, are poor at judging cuff pressures manually.


For the painful truth is that we clinicians are needlessly overinflating LMA® cuffs, impairing their function and giving half of our patients sore throats. 3
Teleflex is a global provider of medical technologies designed to improve the health and quality of people’s lives. We apply purpose-driven innovation – a relentless pursuit of identifying unmet clinical needs – to benefit patients and healthcare providers. Our portfolio is diverse, with solutions in the fields of vascular and interventional access, surgical, anesthesia, cardiac care, urology, emergency medicine and respiratory care. Teleflex employees worldwide are united in the understanding that what we do every day makes a difference. For more information, please visit teleflex.com.

Teleflex is the home of Arrow®, Deknatel®, Hudson RCI®, LMA®, Pilling®, Rüsch® and Weck® – trusted brands united by a common sense of purpose.

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