LMA® Airway Portfolio

Inspiring confidence right from the start
Technology changes; our commitment doesn’t

Committed to helping reduce the risk of airway-related complications, Dr. Archie Brain redefined airway management with the launch of the first laryngeal mask airway in 1988. Thirty years later, Teleflex remains true to this commitment with each new addition to the LMA® Airway portfolio. New products, expanded applications, and innovative design features to help clinicians reduce the risk of airway-related complications – it’s what you have come to expect from a leader in airway management who has led the way right from the start.
300m

LMA® Airways have been used in 300 million patients since 1988

Every 3 seconds, an LMA® Airway is used somewhere in the world*

LMA® is the most extensively researched laryngeal mask brand in the world

* Data on file
Seals, silicone and safety features: The latest innovations in LMA® Airway design

It starts with a high-quality seal
It’s one of the most critical aspects of laryngeal mask performance – a reliable oropharyngeal seal to help protect a patient’s airway during general anesthesia. That’s why the new products in the LMA® Airway portfolio from Teleflex incorporate the latest innovations in cuff design – features designed to help you establish, verify, and maintain a seal you can count on.

Silicone:
A material that gently conforms to the anatomy
The original laryngeal mask airways were made of silicone – a material valued for its softness and flexibility. Teleflex recognizes the benefits of silicone and has introduced silicone products into the single-use LMA® Airway portfolio.

Potential benefits of silicone over polyvinyl chloride (PVC) include:
• Greater elasticity to conform to the anatomy
• Higher oropharyngeal seal pressures
• A lower risk of post-operative sore throat
• Not made with phthalates

100% Silicone Cuff
Cuff Pilot™ Technology:  
**Because intracuff pressure counts**

An optimal intracuff pressure of 40-60 cm H$_2$O is important to achieve a reliable oropharyngeal seal with a laryngeal mask. Over-inflation of a cuff can have a negative impact on oropharyngeal seal pressures and may put patients at risk of a wide range of airway morbidities.\textsuperscript{7-10} Studies have shown laryngeal mask intracuff pressures exceed 60 cm H$_2$O in a vast majority of patients.\textsuperscript{11-15}

Cuff Pilot™ Technology was developed to support clinicians in avoiding the known risks of cuff hyperinflation, which include sore throat, dysphagia, an increased risk of aspiration due to leakage around the cuff, and hypoglossal, lingual, or recurrent laryngeal nerve palsies.\textsuperscript{7-10} Cuff Pilot™ Technology is an integrated, single-use cuff pressure indicator that constantly monitors cuff pressure, detecting changes resulting from fluctuations in temperature, nitrous oxide levels, and movements within the airway.

**Simple to use:** a simple glance is all that’s needed to confirm optimal intracuff pressure right from the start – and throughout the procedure

**Supports a reliable seal:** designed to help clinicians maintain the optimal intracuff pressure of 40-60 cm H$_2$O required to achieve a reliable oropharyngeal seal

**Strategy to reduce the risk of airway morbidity:** throughout a procedure clinicians can monitor intracuff pressure to ensure it does not exceed 60 cm H$_2$O – a strategy shown to reduce airway morbidity by up to 70%\textsuperscript{9-11}
LMA® Gastro™ Airway
Proactive airway management for endoscopy procedures

Hypoxemia due to respiratory depression or airway obstruction is a known risk associated with endoscopic procedures, with studies showing that hypoxemia can occur in 11–50% of cases.\textsuperscript{16–18} Currently, many endoscopy procedures are undertaken without an airway management device in place; therefore, when hypoxemia occurs, failure to rescue the airway can lead to potential complications and undesirable outcomes.\textsuperscript{19}

The LMA® Gastro™ Airway with Cuff Pilot™ Technology from Teleflex is the first laryngeal mask specifically designed to enable clinicians to proactively manage their patients’ airways while facilitating direct endoscopic access via the integrated endoscope channel. Once general anesthesia is established, the laryngeal mask can be placed and the endoscope passed through the large bore endoscope channel, providing direct access to the esophagus and upper gastrointestinal tract.
LMA® Unique™ (Silicone Cuff) Airway
A first-generation airway with the added benefits of integrated cuff pressure monitoring

The LMA® Unique™ (Silicone Cuff) Airway with Cuff Pilot™ Technology from Teleflex combines all the features of the LMA® Unique™ Airway with the added benefits of integrated cuff pressure monitoring and a silicone cuff. Cuff Pilot™ Technology was developed to support clinicians in avoiding the known risks of cuff hyperinflation, which include sore throat, dysphagia, an increased risk of aspiration due to leakage around the cuff, and hypoglossal, lingual or recurrent laryngeal nerve palsies. Silicone cuffs are designed to better conform to patient anatomy, compared with PVC cuffs, which may result in improved airway sealing characteristics. The LMA® Unique™ (Silicone Cuff) Airway is an ideal choice for routine anesthetic procedures, for difficult airway situations, or for airway management during cardiopulmonary resuscitation.
The LMA® Unique™ EVO Airway with Cuff Pilot™ Technology from Teleflex is designed to provide the versatility needed to adapt to changing clinical situations. As a first-generation laryngeal mask, the LMA® Unique™ EVO Airway is suitable for routine use, while providing fiberscope-assisted intubation capabilities to give clinicians additional flexibility to manage the airway during unforeseen difficult airway situations. A fixed-curve airway tube facilitates rapid insertion, while the silicone cuff is soft and flexible, and conforms to the anatomy to create an effective oropharyngeal seal.¹ ²

MR safe
LMA® Protector™ Airway
Expanding applications with functional separation of the respiratory and GI tracts

The LMA® Protector™ Airway with Cuff Pilot™ Technology from Teleflex is the most advanced laryngeal mask in the LMA® Airway portfolio. It features an elongated silicone cuff designed to form an optimal dual seal to functionally separate the respiratory tract from the gastrointestinal tract. The LMA® Protector™ Airway is the first single-use, second-generation laryngeal mask to feature a dual gastric drainage channel and pharyngeal chamber intended to channel gastric contents away from the airway to help reduce the risk of aspiration.² The LMA® Protector™ Airway also offers fiberscope-assisted direct intubation capabilities for additional flexibility to manage the airway during unexpected difficult airway situations, and is ideal for routine use or more challenging procedures.

MR safe
Innovation, performance, reliability
You’ll find it all right here

Thirty years after the introduction of the first laryngeal mask airway, Teleflex continues to lead the way. With millions of uses around the world, supported by thousands of clinical studies, the LMA® Airway portfolio is proven to address a broad range of challenges across multiple clinical situations. Moving forward, we will continue our relentless pursuit of identifying unmet clinical needs just as we have right from the start.

1988
LMA® Classic™ Airway
The first LMA® Airway

1990
LMA® Flexible™ Airway
The first LMA® Airway

2000
LMA® ProSeal™ Airway
The original second-generation LMA® Airway

1997
LMA® Unique™ Airway
The first single-use LMA® Airway

2005
LMA® Fastrach™ Airway
The emergency intubating LMA® Airway

2015
LMA® Unique™ (Silicone Cuff) Airway
A single-use first-generation LMA® Airway with a silicone cuff

LMA® Unique™ EVO Airway
A first-generation LMA® Airway with intubation capability

LMA® Protector™ Airway
The most advanced LMA® Airway with gastric access

2017
Cuff Pilot™ Technology
Integrated, single-use cuff pressure indicator

2017
LMA® Gastro™ Airway
The LMA® Airway for upper GI endoscopic procedures
### Ordering information

**LMA® Gastro™ Airway with Cuff Pilot™ Technology***

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<tr>
<th>ITEM NUMBER</th>
<th>MASK SIZE</th>
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**LMA® Unique™ (Silicone Cuff) Airway with Cuff Pilot™ Technology***

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**LMA® Protector™ Airway with Cuff Pilot™ Technology***

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ETT=Endotracheal Tube  OG=Orogastric Tube  
* Cuff Pilot™ Technology recommendation for cuff pressure: green zone pressure range = 40–60 cm H₂O for all sizes.
References:

† Formerly a paid consultant of Teleflex or its affiliates.
‡ Research sponsored in part by Teleflex Incorporated.
§ Research sponsored by Teleflex Incorporated.

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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For more information, please visit teleflex.com.

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

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