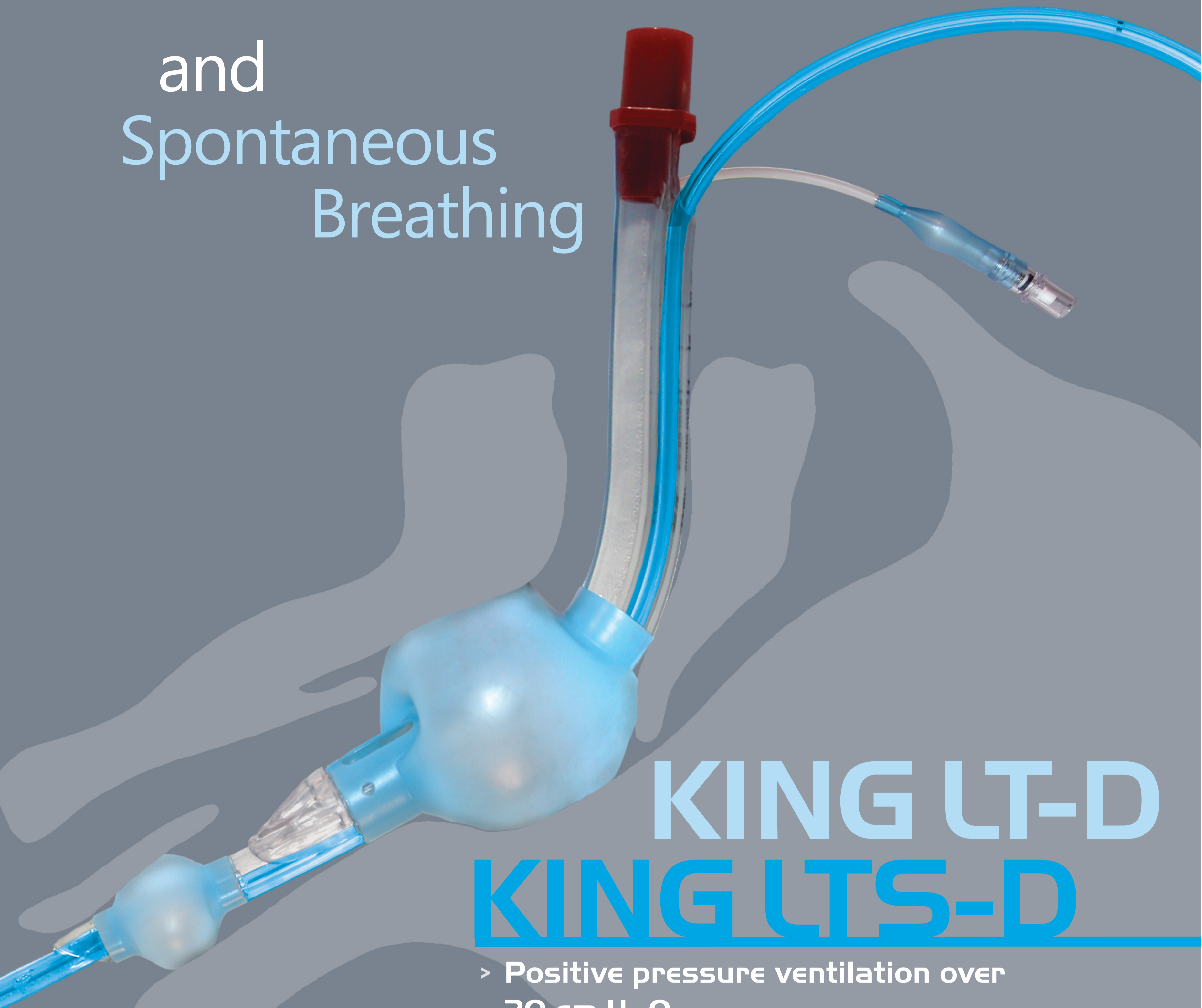


KING LTS-D™ and KING LT-D™ Disposable Supralaryngeal Airways

Superior Positive Pressure Ventilation

and
Spontaneous
Breathing



KING LT-D KING LTS-D

- > Positive pressure ventilation over 30 cm H₂O.
- > Anatomically shaped distal tip and cuff.
- > Disposable and latex-free.
- > Allows passage of 18 Fr gastric tube through separate channel (KING LTS-D only).

The **KING LT(S)-D**

provides **versatility** in patient care

The ability to provide

positive pressure ventilation

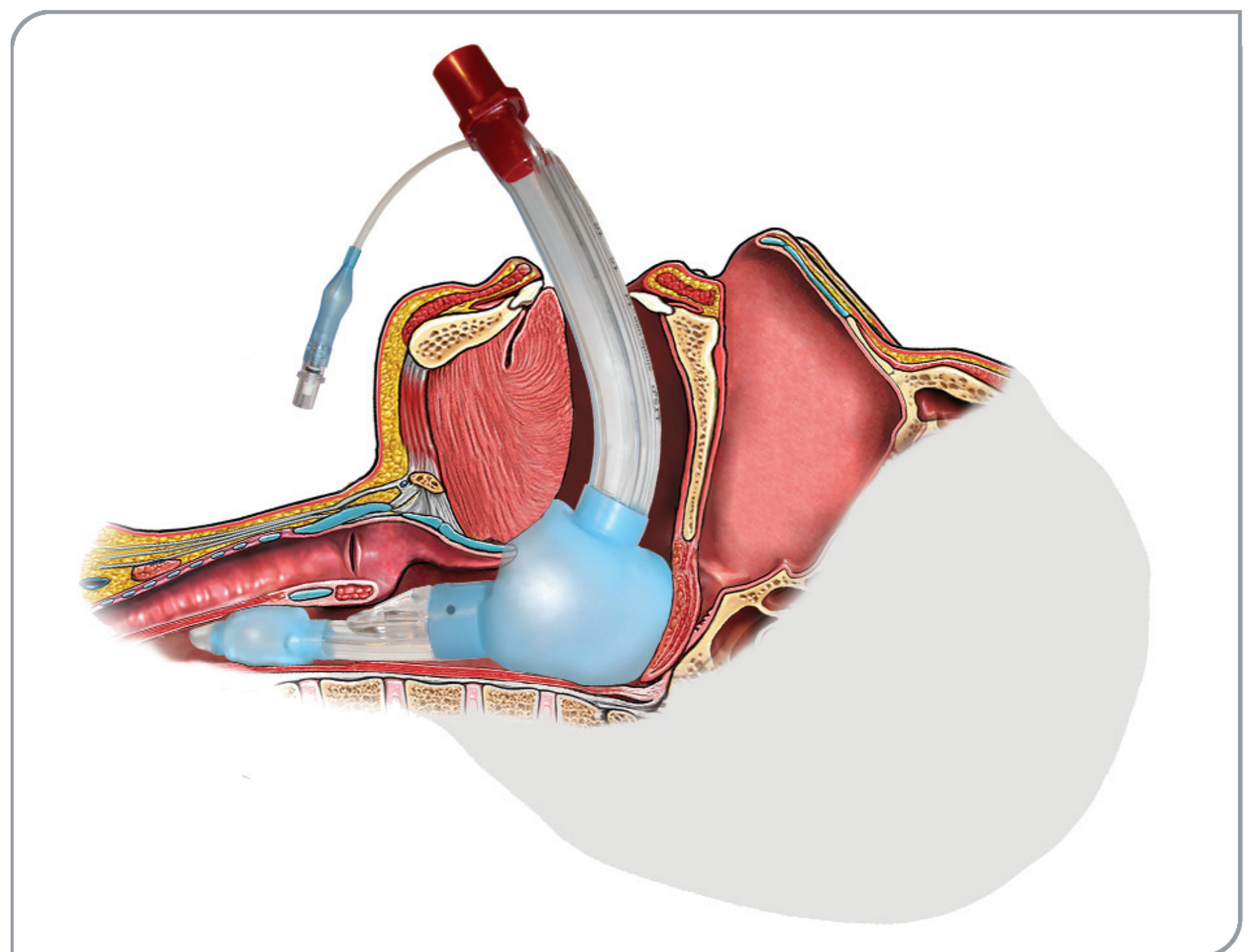
over 30 cm H₂O **and**

spontaneous breathing

maximizes the KING LT(S)-D™

versatility as a superior

airway management tool.



The design of the KING LT(S)-D also offers:

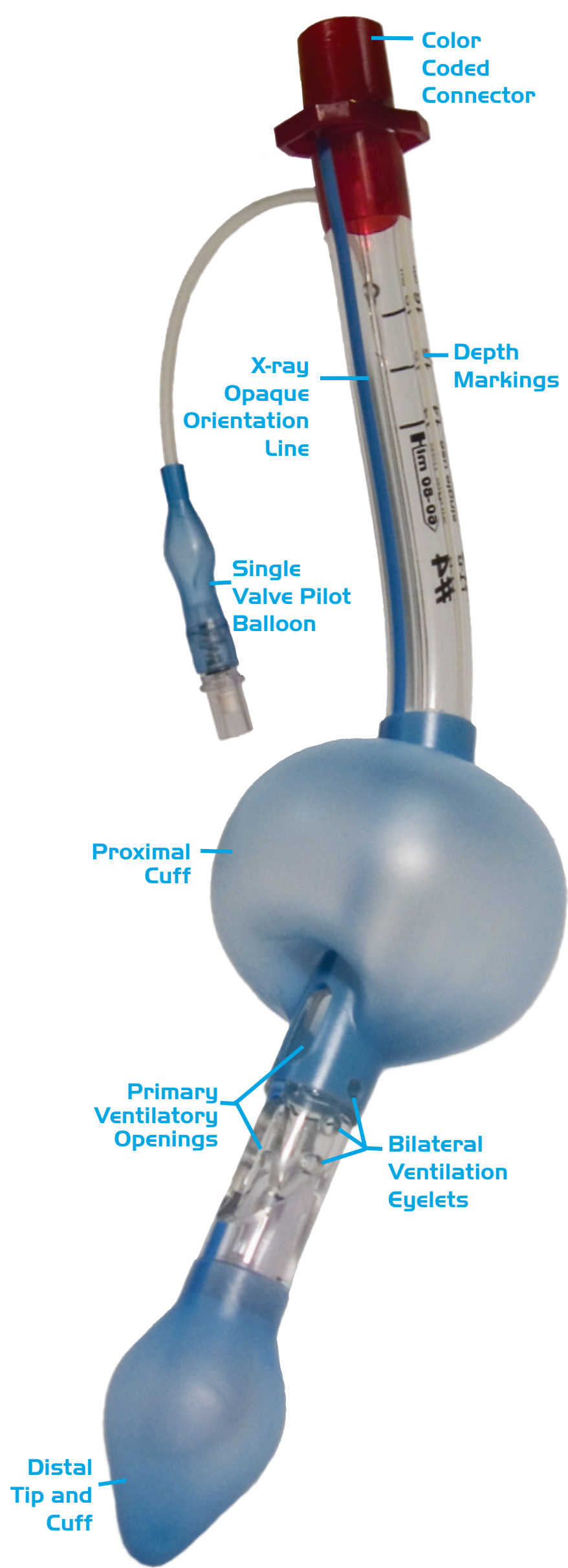
- Soft and conforming cuffs that disperse pressure over the largest surface area possible, which stabilizes the airway device at the base of the tongue.
- A low incidence of gastric insufflation.
- Ease of insertion, with minimal movement of the head.
- Safety for your latex-sensitive patients.
- A low incidence of blood upon removal.
- A low incidence of post-operative sore throat.



KING LT®

Similar in design to the KING LT-D, the KING LT is a reusable airway device warranted for up to 50 autoclave cycles. The KING LT's Valve Actuator prevents damage to the cuffs during the sterilization process.

The KING LT(S)-D enhances reliability



KING LT-D

Shorter Tube Length and Patented "S-Shape"

- A self-positioning airway at the esophageal inlet.
- The ability to insert without the use of additional instruments.

Superior Materials

- Soft & pliable disposable airways.
- 100% Latex-free.

Gastric Access Lumen (KING LTS-D™ only)

- Curved double-lumen tube with access to the stomach.
- Allows passage of up to 18 Fr standard gastric tube.

Depth Marks

- An easy gauge to indicate the depth of insertion.

Single Valve Pilot Balloon

- A single lumen that fills both cuffs simultaneously.
- A visual sign when all of the air has been evacuated from the airway device. The collapse of the pilot balloon indicates that it is safe to remove the KING LT(S)-D from the patient.

Anatomically Shaped Proximal Cuff

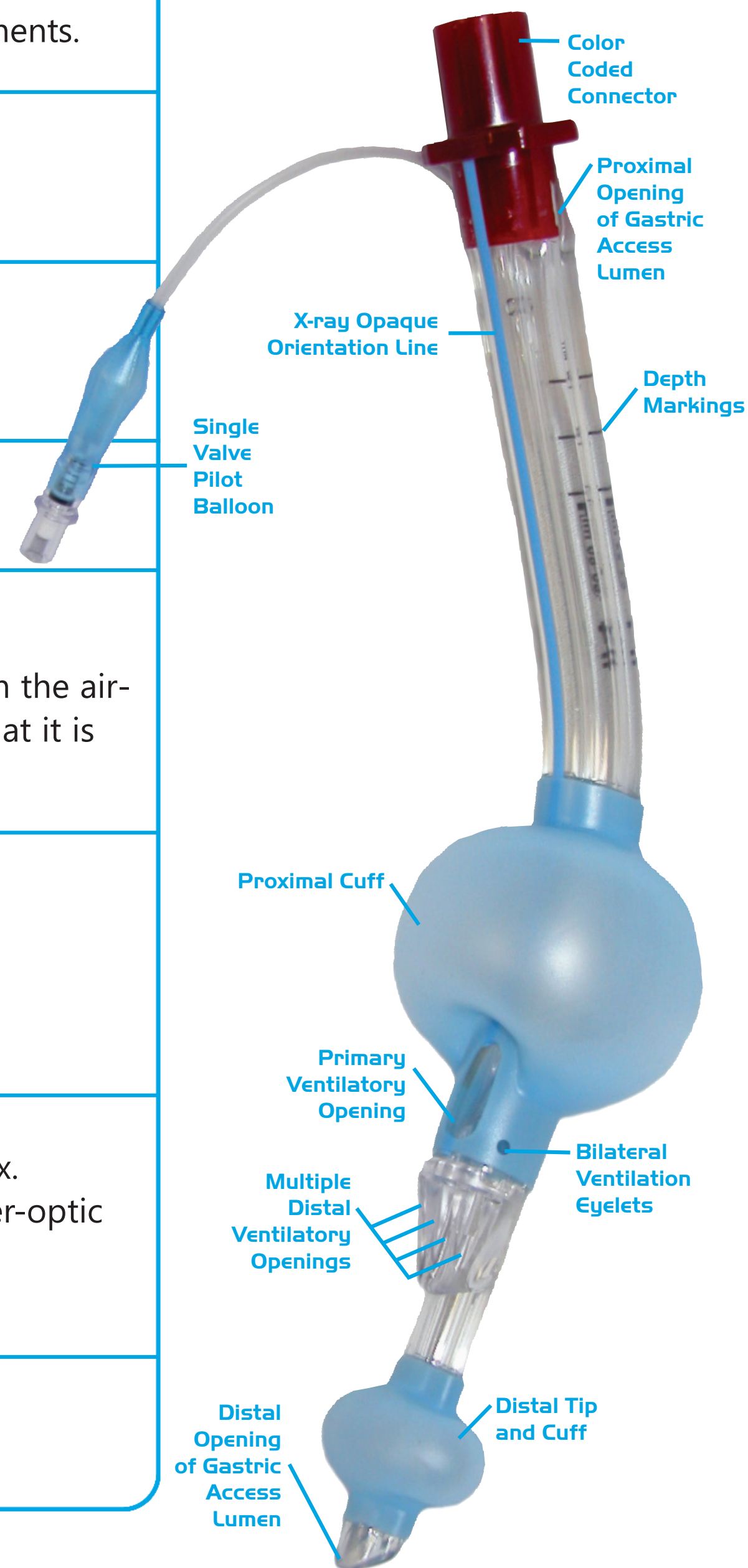
- A soft, comfortable seal.
- Stabilization at the base of the tongue.
- Seals the nasopharynx and oropharynx.
- A high volume, low pressure cuff.

Ventilation Openings & Eyelets

- Efficient ventilation with positioning in front of the larynx.
- The ability to introduce a tube exchange catheter or fiber-optic bronchoscope.
- Lateral eyelets provide additional ventilation capability.

Distal Cuff

- A reduced possibility of gastric insufflation.
- A high volume, low pressure cuff.



KING LTS-D

An alternative solution to **Control** the airway: the KING LAD™.



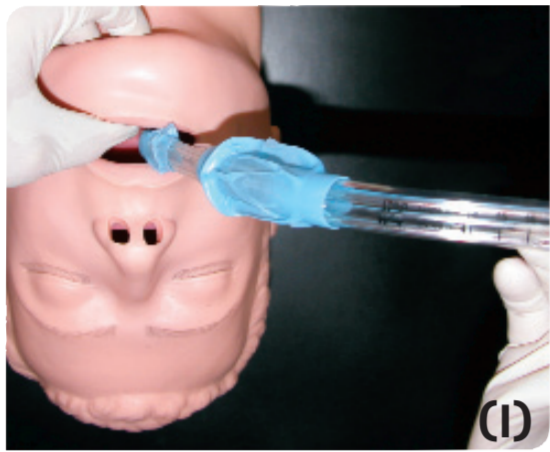
KING LAD™

The **Silicone** and **Flexible** KING LAD devices, alternatives to the KING LTS-D to provide complete control of the airway, are single use and available in a variety of sizes.

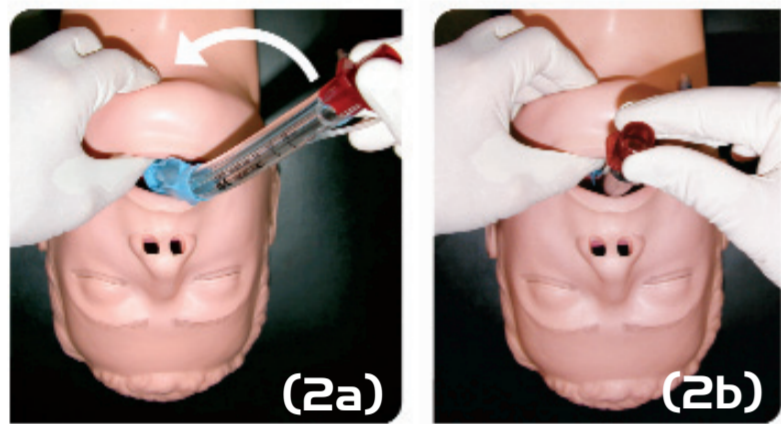
For more information regarding airway management solutions, speak to your local King Systems representative.

The KING LT(S)-D enhances ease of use

Steps for inserting the KING LT(S)-D



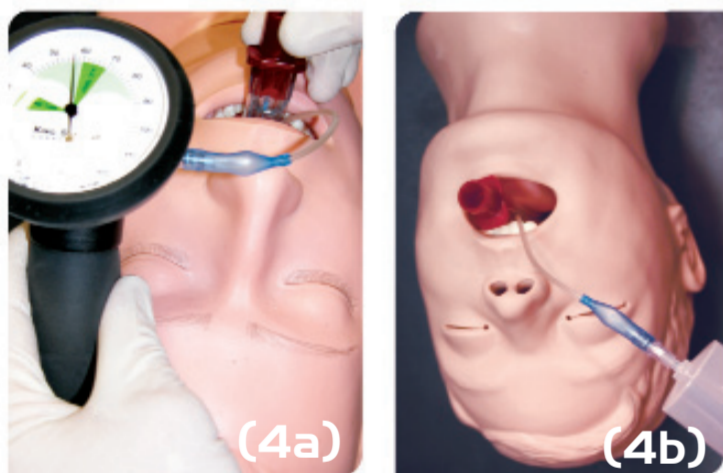
STEP 1: Hold the KING LT(S)-D at the connector with dominant hand. With non-dominant hand, hold mouth open and apply chin lift, unless contraindicated by C-spine precautions or patient position. Using a lateral approach, introduce tip into corner of mouth.



STEP 2: Advance the tip behind the base of the tongue while rotating tube back to midline so that the blue orientation line faces the chin of the patient.



STEP 3: Without exerting excessive force, advance tube until base of connector is aligned with teeth or gums.



STEP 4: Inflate cuffs to 60 cm H₂O or to “just seal” volume. Typical inflation volumes are as follows:

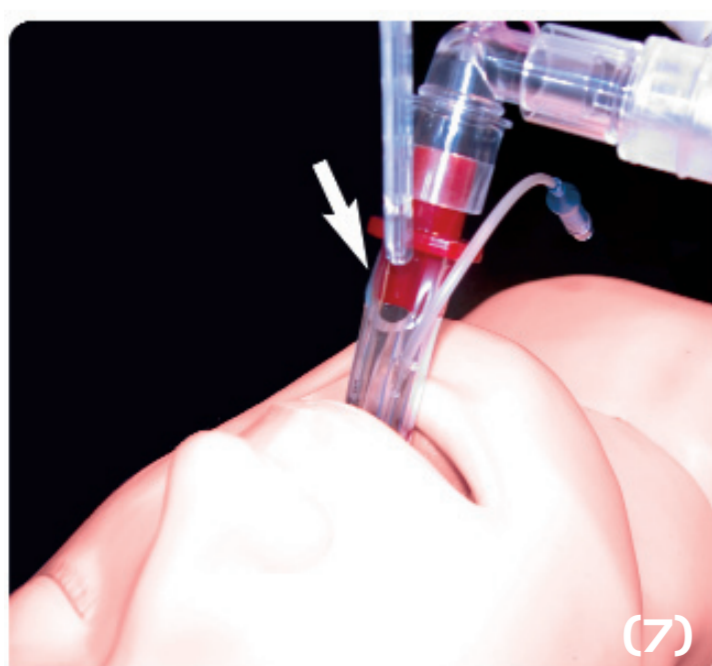
KING LT-D: Size #2, 25-35 ml; Size #2.5, 30-40 ml; Size #3, 45-60 ml; Size #4, 60-80 ml; Size #5, 70-90 ml.

KING LTS-D: Size #3, 40-55 ml; Size #4, 50-70 ml; Size #5, 60-80 ml.



STEP 5: Attach the breathing circuit/resuscitator bag to the KING LT(S)-D. While gently bagging the patient to assess ventilation, withdraw the KING LT(S)-D until ventilation is easy and free flowing (large tidal volume with minimal airway pressure).

STEP 6: If necessary, add additional volume to cuffs to maximize seal of the airway.



STEP 7: When utilizing the KING LTS-D's gastric access lumen: Lubricate gastric tube (up to an 18 Fr) prior to inserting into KLTSD's gastric access lumen.

KING LT(S)-D™ PRODUCT INFORMATION

Product	Size 2	Size 2.5	Size 3	Size 4	Size 5
KLTD	KLTD202	KLTD2025	KLTD203	KLTD204	KLTD205
KLTS-D	n/a	n/a	KLTS-D403	KLTS-D404	KLTS-D405

KING LT(S)-D SIZING INFORMATION

SIZE	2	2.5	3	4	5
CONNECTOR COLOR	Green	Orange	Yellow	Red	Purple
PATIENT CRITERIA	35-45 inches (90-115 cm) or 12-25 kg	41-51 inches (105-130 cm) or 25-35 kg	4-5 feet (122-155 cm)	5-6 feet (155-180 cm)	greater than 6 feet (>180 cm)
CUFF PRESSURE	60 cm H ₂ O	60 cm H ₂ O	60 cm H ₂ O	60 cm H ₂ O	60 cm H ₂ O
KLTD O.D./I.D.	11 mm/7.5 mm	11 mm/7.5 mm	14 mm/10 mm	14 mm/10 mm	14 mm/10 mm
KLTS-D O.D./I.D.*	n/a	n/a	18 mm/10 mm	18 mm/10 mm	18 mm/10 mm
KLTD CUFF VOLUME	25-35 ml	30-40 ml	45-60 ml	60-80 ml	70-90 ml
KLTS-D CUFF VOLUME	n/a	n/a	40-55 ml	50-70 ml	60-80 ml

KING LTS-D is not available in size 2 and 2.5

KLTD: Maximum Size Fiberoptic Bronchoscope: 7.0 mm O.D. (size 3, 4, 5) and 4.7 (size 2, 2.5); Maximum Size Tube Exchange Catheter: 19 Fr (size 3, 4, 5) and 14 Fr (size 2, 2.5); Minimum Mouth Opening: 16 mm (size 3, 4, 5) and 12 mm (size 2, 2.5)

KLTS-D: *Ventilation Lumen is not round, but is equivalent to a 10 mm I.D. tube; Maximum Size Tube Exchange Catheter: 19 Fr; Maximum Size Fiberoptic Bronchoscope: 6 mm OD; Minimum Mouth Opening: 20 mm

Cuff Pressure Gauge
ITEM #KLT 900



KING LAD™ PRODUCT INFORMATION

Size	Product Code		Maximum Inflation Volumes	Patient Size	Size Guidance
	Silicone	Flexible			
1	LAD-301	-	4 ml	Up to 5 kg	Neonatal
1.5	LAD-3015	-	7 ml	5 - 10 kg	Neonatal - Infant
2	LAD-302	LAD-502	10 ml	10 - 20 kg	Infant
2.5	LAD-3025	LAD-5025	14 ml	20 - 30 kg	Infant - Child
3	LAD-303	LAD-503	20 ml	30 - 50 kg	Child
4	LAD-304	LAD-504	30 ml	50 - 70 kg	Adult
5	LAD-305	LAD-505	40 ml	> 70 kg	Adult

KING SYSTEMS

15011 Herriman Blvd., Noblesville, IN 46060
317-776-6823 | 800-642-KING (5464) | Fax 317-776-6827
kingsystems@kingsystems.com | www.kingsystems.com

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

KING LT® is a registered trademark and KING LAD™, KING LTS-D™, and KING LT-D™ are trademarks of King Systems. U.S. Patent: 5,819,733. © 2009 King Systems