



CUFF PILOT™ VALVE



Art.



Science.

The first laryngeal mask with a cuff pressure indicator.



End the guesswork.

Scientific papers have conclusively shown that cuff pressures in the laryngeal mask should routinely be monitored with a cuff manometer or the patented Cuff Pilot™ Valve (CPV). The CPV constantly monitors pressure in the cuff, detecting changes due to temperature, nitrous oxide levels and movement within the airway. Easy to read color indicator bands provide you with at-a-glance feedback indicating pressure changes instantly before they affect patient safety. The CPV is available on the complete family of AES Ultra masks.



“It is easily placed and the cuff pilot serves as a visual reminder of how low a cuff pressure is really required.”

Dr. Steve Sasaki, Chief of Anesthesia
Evergreen Hospital, Kirkland, WA

“The use of clinical endpoints to inflate LMA cuffs is not only associated with significant hyperinflation in the majority of patients but also with an increased leakage around the LMA cuff when compared with adjusted LMA cuff pressures.”

Dr. Britta von Ungern-Sternberg, Department of Anesthesia
Princess Margaret Hospital for Children, Perth, Australia

AES ULTRA CPV



AES ULTRA CLEAR CPV



AES ULTRA FLEX CPV



AES Ultra CPV Features

- Single use laryngeal mask with 100% silicone cuff and tube
- Patented Cuff Pilot™ Valve provides at-a-glance pressure monitoring
- Silicone cuff stays soft and flexible at any temperature, while remaining resistant to punctures and tearing
- Anatomically correct cuff tip for proper fit and seal
- Non fenestrated for easier insertion of diagnostic tools
- All sizes available; neonate through large adult
- Easy to identify size with color coded packaging
- MRI compatible
- Latex and DEHP free

AES Ultra Clear CPV Features









- Single use laryngeal mask with 100% silicone cuff and PVC tube
- Patented Cuff Pilot™ Valve provides at-a-glance pressure monitoring
- Silicone cuff stays soft and flexible at any temperature, while remaining resistant to punctures and tearing
- Anatomically correct cuff tip for proper fit and seal
- Non fenestrated for easier insertion of diagnostic tools
- All sizes available; neonate through large adult
- Easy to identify size with color coded packaging
- MRI compatible
- Latex and DEHP free

AES Ultra Flex CPV Features

- Single use, 100% silicone, stainless steel wire reinforced Laryngeal Mask
- Patented Cuff Pilot™ Valve provides at-a-glance pressure monitoring
- Silicone cuff stays soft and flexible at any temperature, while remaining resistant to punctures and tearing
- Reinforced tube is ideal for ENT, ophthalmic, dental and other head and neck surgeries where tube flexibility is necessary
- Anatomically correct cuff tip for proper fit and seal
- Non fenestrated for easier insertion of diagnostic tools
- Neonate through large adult sizes available
- Easy to identify size with color coded packaging
- Latex and DEHP free

Specifications and ordering information

SPECIFICATIONS FOR ULTRA CPV, ULTRA CLEAR CPV AND ULTRA FLEX CPV

Mask size	#1	#1 ½	#2	#2 ½	#3	#4	#5	#6
Packaging color code for Ultra								
Patient weight	Up to 5 kg	5-10 kg	10-20 kg	20-30 kg	30-50 kg	50-70 kg	70-100 kg	>100 kg
Intra-cuff pressure	Optimum 60cmH ₂ O							
Airway connector	15mm ISO 594-1							
Inflation valve	CPV Adaptor							
Storage temperature	+10°C - +25°C							
FOR ULTRA CPV & ULTRA CLEAR CPV:								
Min. I.D. tube	5.0 mm	6.0 mm	7.0 mm	8.5 mm	10.0 mm	10.0 mm	11.0 mm	11.0 mm
Max O.D. tube	8.2 mm	10.2 mm	11.5 mm	13.5 mm	15.6 mm	15.6 mm	16.9 mm	17.1 mm
FOR ULTRA FLEX CPV:								
Min. I.D. tube	5.9 mm	5.9 mm	6.4 mm	8.0 mm	9.0 mm	9.0 mm	9.4 mm	9.4 mm
Max O.D. tube	7.9 mm	7.9 mm	8.3 mm	10.0 mm	11.0 mm	11.0 mm	12.6 mm	12.6 mm

AES ULTRA CPV ORDERING INFO

Size	Item #	Description	Packaging
1	1035210	Single use - 100% silicone	Box of 10
1 ½	1035215	Single use - 100% silicone	Box of 10
2	1035220	Single use - 100% silicone	Box of 10
2 ½	1035225	Single use - 100% silicone	Box of 10
3	1035230	Single use - 100% silicone	Box of 10
4	1035240	Single use - 100% silicone	Box of 10
5	1035250	Single use - 100% silicone	Box of 10
6	1035260	Single use - 100% silicone	Box of 10

AES ULTRA CLEAR CPV ORDERING INFO

Size	Item #	Description	Packaging
1	1036210	Single use silicone with PVC tube	Box of 10
1 ½	1036215	Single use silicone with PVC tube	Box of 10
2	1036220	Single use silicone with PVC tube	Box of 10
2 ½	1036225	Single use silicone with PVC tube	Box of 10
3	1036230	Single use silicone with PVC tube	Box of 10
4	1036240	Single use silicone with PVC tube	Box of 10
5	1036250	Single use silicone with PVC tube	Box of 10
6	1036260	Single use silicone with PVC tube	Box of 10

AES ULTRA FLEX CPV ORDERING INFO

Size	Item #	Description	Packaging
1	1037210	Single use silicone with reinforced tube	Box of 10
1 ½	1037215	Single use silicone with reinforced tube	Box of 10
2	1037220	Single use silicone with reinforced tube	Box of 10
2 ½	1037225	Single use silicone with reinforced tube	Box of 10
3	1037230	Single use silicone with reinforced tube	Box of 10
4	1037240	Single use silicone with reinforced tube	Box of 10
5	1037250	Single use silicone with reinforced tube	Box of 10
6	1037260	Single use silicone with reinforced tube	Box of 10

COMPONENT

MATERIAL

Airway tube	Silicone
Cuff	Silicone
Airway connector	Polycarbonate
Cuff Pilot™ Valve	Polycarbonate/silicone
Pilot tube	Silicone

COMPONENT

MATERIAL

Airway tube	PVC
Cuff	Silicone
Airway connector	Polycarbonate
Cuff Pilot™ Valve	Polycarbonate/silicone
Pilot tube	Silicone

COMPONENT

MATERIAL

Airway tube	Silicone with SS wire
Cuff	Silicone
Airway connector	Polycarbonate
Cuff Pilot™ Valve	Polycarbonate/silicone
Pilot tube	Silicone

All AES masks feature 100% silicone cuffs with anatomically correct tips.



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Technical data may be modified without further notice.



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