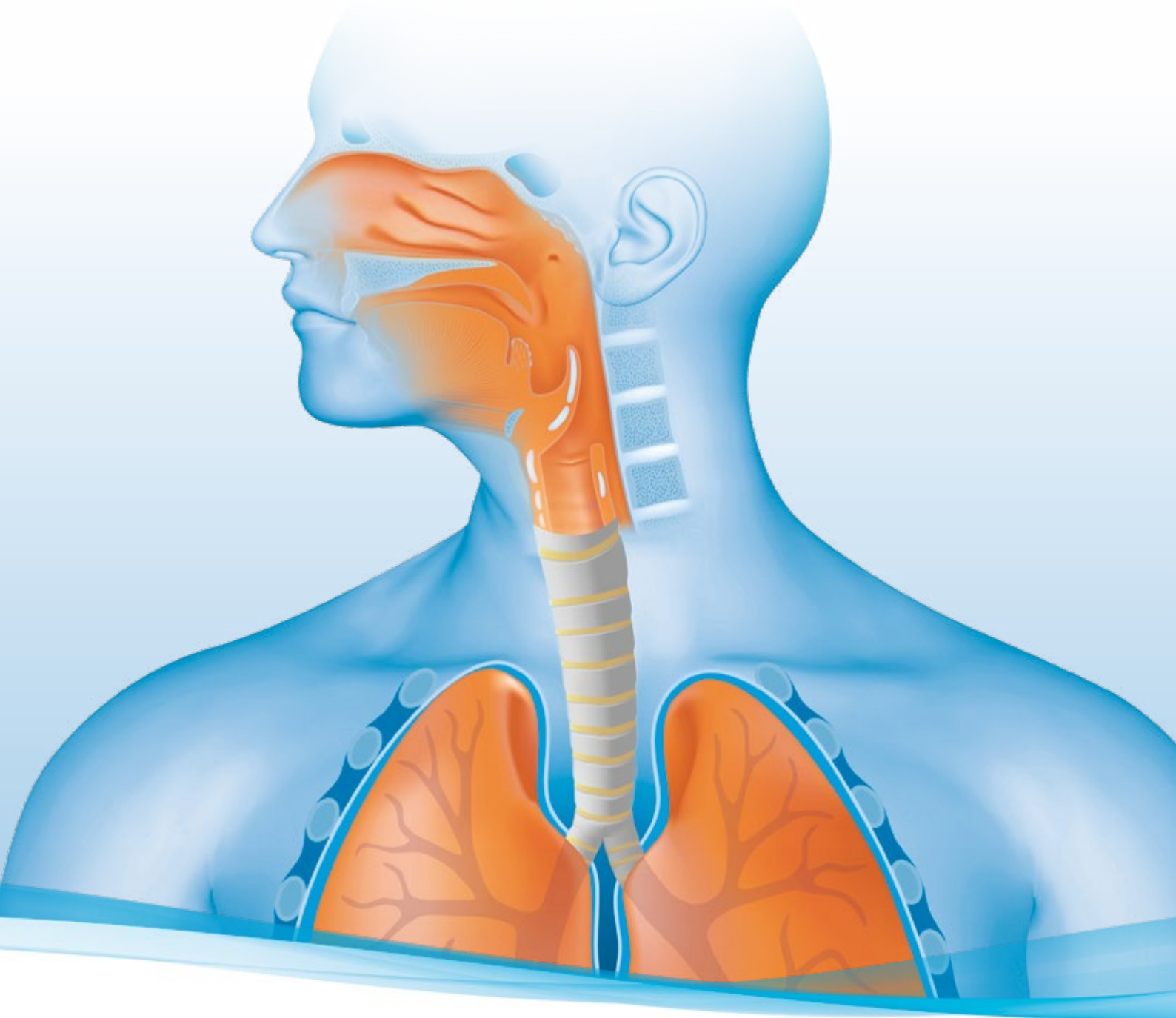


# Vyaire™

## Anaesthesia products



Airway systems

**vyaire**™  
MEDICAL





*Supporting Life.™*



## Reliable airway access

Airway management is a crucial skill for the anaesthetist and emergency practitioner to master. Failure to secure an adequate airway may lead to death or life changing disabilities of a patient. This is why Vyair has built a comprehensive and reliable portfolio of airway management products ranging from our premium flexible anaesthesia masks to the APA video laryngoscope. Our aim is to continually work with clinicians, research and development engineers and manufacturers to provide the tools and products needed to improve effectiveness and reduce risk; improving patient safety and outcomes.

Our GreenLight™ laryngoscope system is comprised of ergonomic, light weight and sturdy handles and single-patient-use blades. The handles include a five-year warranty and come with one of the brightest LED light source on the market. Our single-patient-use blades are designed with a coined, atraumatic tip to reduce airway trauma. In addition, our blades eliminate time and reprocessing cost that is required with reusable blades and help minimise cross-contamination.

### Handles

- Bright LED light source
- Reusable, over-molded, Santoprene handle
- ISO standard connection, ISO 7376
- Light- weight
- 5 year warranty for handles
- Autoclavable, after removal of cartridge (in addition to the removal of the cartridge, the handle also needs to have been disinfected before being autoclaved)

### Blades

- Single patient use stainless steel or plastic
- Shielded light carrier
- ISO standard connection, ISO 7376



## GreenLight™ laryngoscope handle and accessories

Part Number	Description		Handle type	Qty
4558GSP	GreenLight™ ISO standard laryngoscope handle (Santoprene over-molded handle) - reusable		Standard	1
4559GSP	GreenLight™ ISO standard laryngoscope handle (Santoprene over-molded handle) - reusable		Stubby	1
4559LED	Replacement battery/LED cartridge for GreenLight™ (ISO standard laryngoscope handle)		Standard	1
4559LEDS	Replacement battery/LED cartridge for GreenLight™ (ISO standard laryngoscope handle)		Stubby	1

## Stainless steel and plastic SPU laryngoscope blades (ISO standard connection)

Part Number	Description		Blade type	Blade size	Qty
4602	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Mac	2	20
4603EU	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Mac	3	20
4604EU	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Mac	4	20
4610	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Miller	0	20
4611EU	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Miller	1	20
4612	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Miller	2	20
4613	GreenLight™ ISO standard, stainless steel, SPU laryngoscope blade		Miller	3	20
4002GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Mac	2	20
4003GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Mac	3	20
4004GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Mac	4	20
4010GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Miller	0	20
4011GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Miller	1	20
4012GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Miller	2	20
4013GSP	GreenLight™ ISO standard, plastic, SPU laryngoscope blade		Miller	3	20

Our laryngoscopes feature comfortable, sturdy handles and single-use laryngoscope blades. The ergonomic, over-molded handles feature a lightweight, ergonomic design. The five-year warranty includes LED.

The Vital Signs Laryngoscope has a proprietary connection for use with the Vital View single-use plastic blades. The Vital View blades are constructed from glass-filled nylon which provides a very cost effective alternative to using disposable or reusable metal blades.



### Vital Signs laryngoscope handles

Part Number	Description		Handle type	Qty
4556EU	Vital Signs laryngoscope handle (santoprene over-molded handle) - reusable		Standard	1
4557VS	Vital Signs laryngoscope handle (santoprene over-molded handle) - reusable		Stubby	1

### Safe Sac

Part Number	Description		Handle type	Qty
4552VS	Safe Sac laryngoscope handle sheath - single use		All	400

### Vital View laryngoscope blades, single-patient-use

Part Number	Description		Blade type	Blade size	Qty
4502	Vital View laryngoscope blade, high visibility (plastic)		Mac	2	20
4503	Vital View laryngoscope blade, high visibility (plastic)		Mac	3	20
4504EU	Vital View laryngoscope blade, high visibility (plastic)		Mac	4	20
4002VS	Vital View laryngoscope blade (plastic)		Mac	2	20
4002S	Vital View laryngoscope blade (plastic) with Safe Sac		Mac	2	20
4003VS	Vital View laryngoscope blade (plastic)		Mac	3	20
4003S	Vital View laryngoscope blade (plastic)		Mac	3	20
4004	Vital View laryngoscope blade (plastic)		Mac	4	20
4004S	Vital View laryngoscope blade (plastic) with Safe Sac		Mac	4	20
4510	Vital View laryngoscope blade (plastic)		Miller	0	20
4511	Vital View laryngoscope blade (plastic)		Miller	1	20
4511S	Vital View laryngoscope blade (plastic) with Safe Sac		Miller	1	20
4512VS	Vital View laryngoscope blade (plastic)		Miller	2	20
4512S	Vital View laryngoscope blade (plastic) with Safe Sac		Miller	2	20
4513VS	Vital View laryngoscope blade (plastic)		Miller	3	20

The APA™ is a multi-functional device designed to aid intubation for both routine and difficult airways.

Difficult intubation occurs in around 2% of routine anaesthetic cases, while in the pre-hospital setting the rate is as high as 7% to 10%. Worldwide, up to 600 patients are estimated to die annually as a result of the complications that occur during tracheal intubation.<sup>1</sup>

Direct laryngoscopy is an effective method for securing the airway while video-assisted laryngoscopy provides an improved view of the vocal cords.

- **As a traditional laryngoscope** – the handle offers high intensity LED illumination.
- **As a video laryngoscope** – the APA™ offers improved line-of-sight visualisation (up to and including some Mallampati grade III).
- **As a difficult airway device** – a unique prism directs the line-of-sight around the anatomy. The blade is designed to assist in lifting the epiglottis for grade III and IV cases. The built-in tracheal tube channel assists the ETT into the laryngeal opening.
- **As a teaching tool** – the video output allows connection to an external monitor or a video transfer/recording device as an effective teaching aid for novice users and trainees.

<sup>1</sup>Niforopoulou P. et al. *Acta Anaesthesiol Scand*, 2010; 1-12



◀ **Video Viewer**

The 3.5" high resolution viewing screen provides real time, wide angle view during the intubation procedure

◀ **Handle**

Ergonomically designed for use as a standard Macintosh laryngoscope or as a video laryngoscope via an independent power supply within the handle

◀ **Camera Module**

Three variations of Camera Modules are available, MAC, MIL small and large, each have a high intensity LED light source at the distal tip which provides a clear image of the laryngeal structure

◀ **Interchangeable disposable blades**

Six variations available, MAC 3 & 4 Macintosh style blades, DAB, U-DAB and the new oxygenation delivery blades



**APA™ product specification**

Video Viewer		Handle and Camera Module (Laryngoscope)	
Display	86mm (3.5") (320 x 240 pixels)	Size	110mm x 130mm x 35mm
Weight	130g	Weight	305g (incl. AA cell)
Ingress protection	IP33	Ingress protection	IP52
Power	8W	Power	1 x alkaline or lithium AA 1.5V battery
Battery output	5V DC	Light source	High intensity LED
TV signal	Composite 525 line 60Hz interlaced	Camera	1/18" CMOS sensor with integrated lens
Mains supply to charger	100V to 240V	Material	Durable medical grade elastomer, thermoplastic and stainless steel
Transmissive	TFT		

Product code	Description	Product code	Description
701000	APA™ Video Viewer	700140	APA™ MAC 4 Blade* (clean, non-sterile)
701006	APA™ Handle	700170	APA™ DAB* (clean, non-sterile)
700930	APA™ MAC Camera Module	700180	APA™ U-DAB* (clean, non-sterile)
702910	APA™ MIL Camera Module (S)	700330	APA™ O <sub>2</sub> MAC 3 Blade
702930	APA™ MIL Camera Module (L)	700340	APA™ O <sub>2</sub> MAC 4 Blade
702110	APA™ MIL 1 Blade	701001	APA™ Video Viewer Charger
702120	APA™ MIL 2 Blade	701004	APA™ Video Cable (3.0m)
700130	APA™ MAC 3 Blade* (clean, non-sterile)	701008	APA™ Carry Case

\*All blades are DEHP-free and anti-fog coated