

Airway Management



Laryngeal Tubes / Cuff Pressure Gauges / Intubation Aids / Cricothyrotomy
Airway Devices for Endoscopy / Resuscitators / Face Masks
Manual Suction Pump / Pelvic Sling / Simulators



Find our full range of products on **www.vbm-medical.de**

Here you will find our media centre with additional information such as application videos, brochures, flyers etc.

Disclaimer:

This advertising material includes information of the complete VBM medical device product range.

Whether a medical device is available / approved in your region must be inquired. Please contact your VBM customer service.

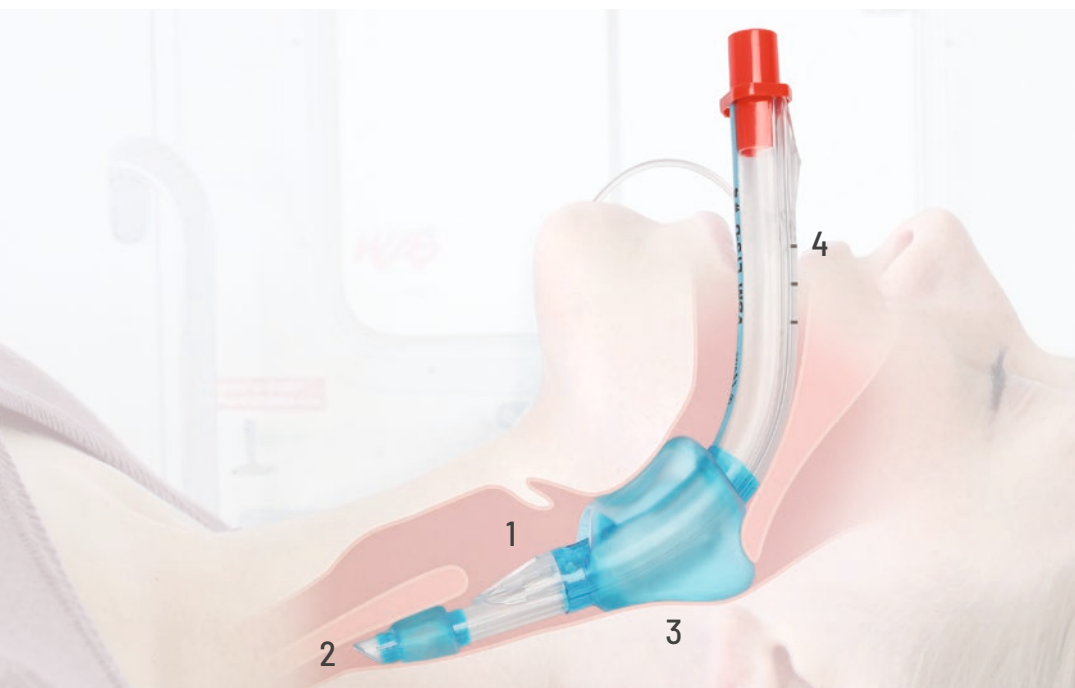
The medical devices in this catalogue are manufactured without the use of natural rubber latex, unless otherwise specified.

The medical devices in this catalogue do not contain phthalates which require labelling according to CLP Regulation (EC) 1272/2008.

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Laryngeal Tube LTS-D

The 2nd generation supraglottic airway device



The Laryngeal Tube LTS-D is a 2nd generation supraglottic airway (with drain tube) and an alternative adjunct to temporarily secure the airway during emergency situations, e.g. cardiopulmonary resuscitation, in hospital as well as prehospital environments.

It is easy to insert and use, even with minimal training (1). In situations with limited space or in patients with minimal mouth opening the slim design of the laryngeal tube facilitates insertion (2).

The teeth mark is an indicator regarding the correct depth of insertion and for orientation and repositioning purposes. The colour coded system has proven invaluable in emergencies as the syringe and connectors indicate the recommended maximum inflation volume.

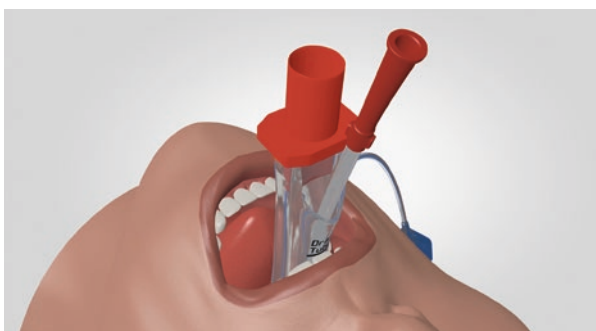
Features

1 Multiple ventilation outlets for efficient ventilation

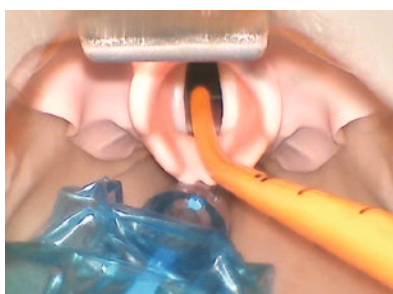
2 Drain tube to prevent the risk of aspiration

3 Thin walled cuffs allow maximum airway leak pressure and reduce the spread of aerosol thanks to efficient pharyngeal sealing. The seal is achieved even at low cuff pressure (< 60 cm H₂O) making the LTS-D atraumatic to the mucosa.

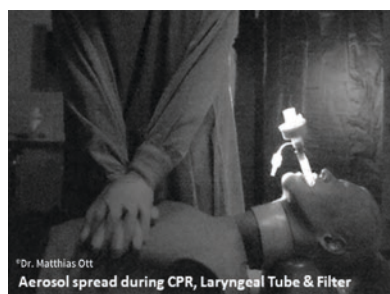
4 Teeth mark as indicator for correct depth of insertion



Drain Tube with inserted 18 Fr Gastric Tube

Clinical
Features

Exchange of LTS-D for Tracheal Tube using Video laryngoscopy and a Bougie.



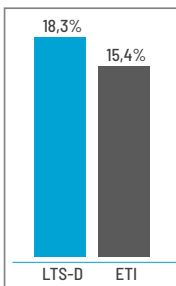
- Reduction of Aerosol Spread (3)
- Uninterrupted Chest Compressions, thus reduction in "No-flow-time" (4)

A RANDOMIZED
CLINICAL TRIAL

3004 PATIENTS

SUPERIOR
OUTCOME

72-HOUR
SURVIVAL



Higher 72-hour survival in adults with OHCA (LTS-D compared to ETI)(5).

Order
information

Laryngeal Tube LTS-D / For single use, sterile

Size	Patient	Weight / Height	Drain tube	Fiberscope	Colour	Single-Set With colour coded syringe	Set of 10	Emergency-Set With colour coded syringe
0	Newborn	< 5 kg	10 Fr	< 3.0 mm		REF 32-06-100-1	REF 32-06-000-1	Children (# 0, 1, 2, 2.5) REF 32-06-309-1
1	Infant	5 – 12 kg	10 Fr	< 3.0 mm		REF 32-06-101-1	REF 32-06-001-1	
2	Child	12 – 25 kg	16 Fr	< 4.0 mm		REF 32-06-102-1	REF 32-06-002-1	
2.5	Child	125 – 150 cm	16 Fr	< 4.0 mm		REF 32-06-125-1	REF 32-06-025-1	
3	Adult	< 155 cm	18 Fr	< 6.0 mm		REF 32-06-103-1	REF 32-06-003-1	Adults (# 3, 4, 5) REF 32-06-209-1
4	Adult	155 – 180 cm	18 Fr	< 6.0 mm		REF 32-06-104-1	REF 32-06-004-1	
5	Adult	> 180 cm	18 Fr	< 6.0 mm		REF 32-06-105-1	REF 32-06-005-1	

Syringe for Laryngeal Tube / Colour coded, with Luer attachment, for single use

Size	REF	Box
20 ml	54-04-111	10
60 ml	54-04-444	10
100 ml	54-04-555	10



Biteblock with elastic necktape / For single use, sterile

Size	For Tracheal Tube	Size Laryngeal Tube	Size Laryngeal Mask	REF	Box
4	6.5 – 8.0 mm I.D.	–	2, 2.5	40-66-040-1	20
5	8.5 – 11.0 mm I.D.	2, 2.5	–	40-66-050-1	20
6	–	3, 4, 5	3, 4, 5	40-66-060-1	20

Additional
information

Application Video



Brochure



Recommendation
of use



Annotated
Bibliography

- S-Guide and i-Bougie see page 10 and 11
- Cuff Pressure Gauge Universal see page 8
- References see page 28

Intubating Laryngeal Tube iLTS-D

VBM's 3rd generation supraglottic airway device



Features



Intubation

Ventilation

Drain Tube

Order information

Intubating Laryngeal Tube iLTS-D / For single use, sterile

Size	Patient	Single-Set 1x iLTS-D 1x Syringe	Set of 10 10 x iLTS-D	Intubation Set 1x iLTS-D 1x ET Tube with Stabilizer 1x Syringe
2.5/3	125 – 155 cm	REF 32-08-123-1	REF 32-08-023-1	REF 32-08-309-1
4/5	≥ 155 cm	REF 32-08-145-1	REF 32-08-045-1	REF 32-08-209-1

ET Tube with Stabilizer / Armored, for single use, sterile

Size	For iLTS-D Size	REF	Box
5.5 mm I.D.	2.5/3	31-40-055-1	10
7.5 mm I.D.	4/5	31-40-075-1	10



Additional information



Annotated Bibliography

/ Cuff Pressure Gauges

Cuff pressure gauges have been established as a standard device in many clinical institutions. More and more societies of anaesthesiology and intensive care throughout the world are endorsing the systematic control of cuff pressure in the recommendation of their guidelines. Ventilator-associated pneumonia (VAP) is the leading nosocomial cause of mortality in the Intensive Care Unit and has significant impact on hospital costs and length of stay. A leading cause of VAP is micro-aspiration of potentially infectious secretions through microchannels formed from infolding of redundant cuff material after inflation. Cuff pressure management can contribute to reduce tracheal ischemia and subsequent complications. Availability of the device and precision of the measurement are fundamental to the success of treatments.

/ Cuff Controller

Automatic Cuff Pressure Gauge

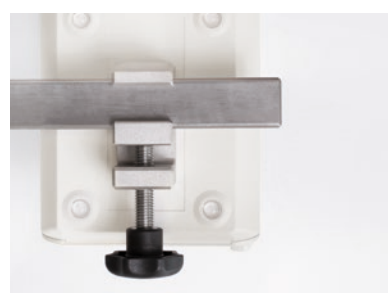
Features

The Cuff Controller is an electronic device that has been developed for the continuous control and monitoring of cuff pressure. It has proven showing effectiveness in maintaining the cuff pressure in the recommended range in ICU patients.



Front Side

- Large LCD display
- Intuitive cuff pressure adjustment
- Adjustable range: 0 – 60 cmH₂O
- Integrated alarms for over-pressure or leakage



Back Side

Universal clamp for fixation to 25 mm standard rail

Order information

Cuff Controller / With battery, universal clamp and Connecting Tubing (200 cm)

REF	Box
55-13-500	1

Connecting Tubing for Cuff Controller / For single use, material: PVC

Length	REF	Box
200 cm	54-05-113	10



Cuff Manometer

Cuff Pressure Gauges are used to adjust and control the pressure of tracheal tube cuffs and cuffs of supraglottic airway devices. The ergonomically designed Cuff Pressure Gauges are compact, robust and portable and are characterised by their accuracy and precision. The analogue system is independent from any energy source and therefore no power supply or batteries are required.

The colour coded areas on the scale help to display the ideal pressure to maintain tracheal mucosal capillary blood flow.



Universal Pediatric Pocket Sensitive Monitor

Order information

Cuff Manometer / Analogue Cuff Pressure Gauge with Connecting Tubing (100 cm)

	Universal	Monitor	Pocket	Sensitive	Pediatric	Box
	REF 54-07-000	REF 54-05-000	REF 54-04-000	REF 54-03-001	REF 54-02-001	1
Pressure range	0 – 120 cmH ₂ O	0 – 120 cmH ₂ O	0 – 120 cmH ₂ O	0 – 120 cmH ₂ O	0 – 60 cmH ₂ O	
Scale	Ø 68 mm	Ø 68 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	

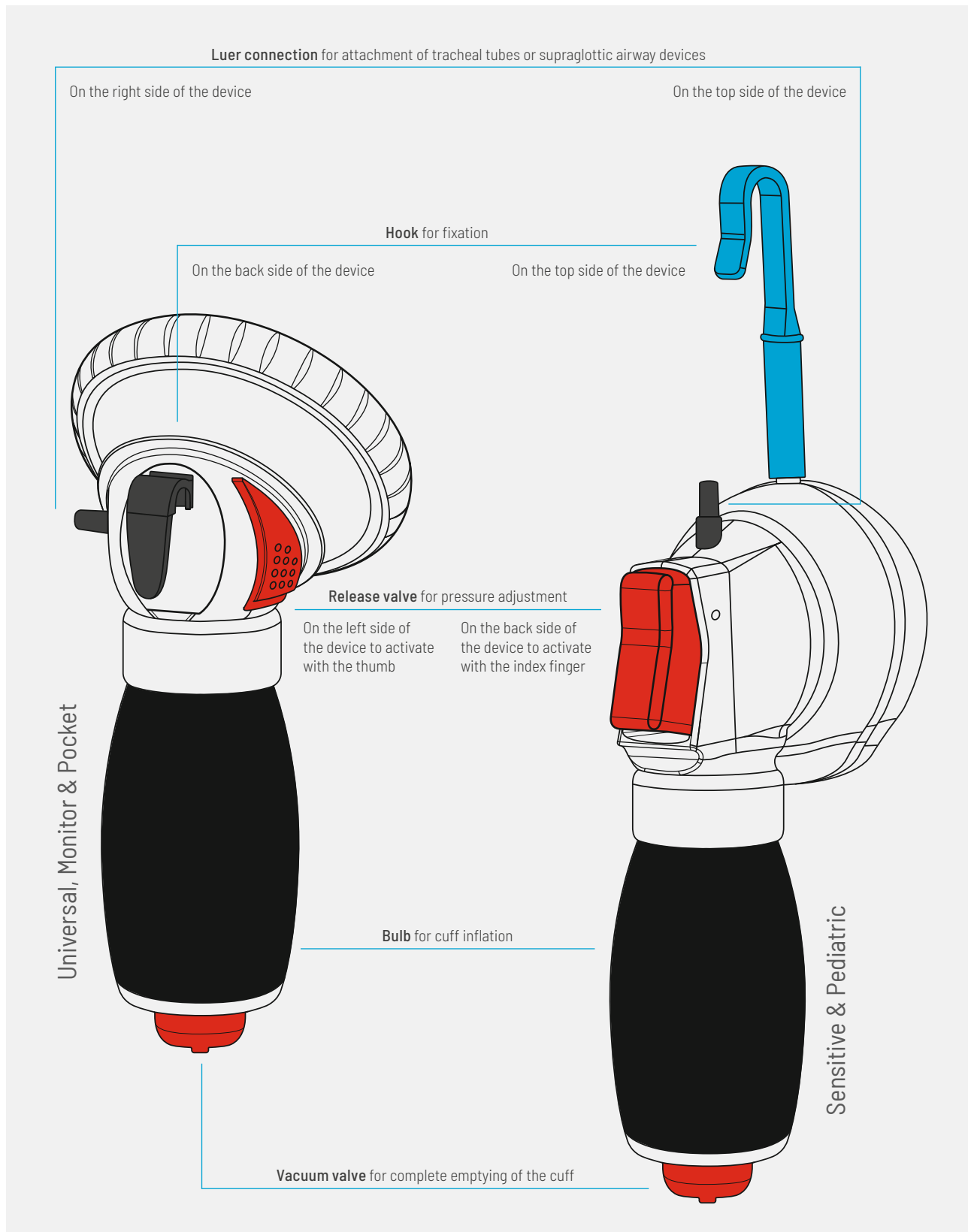
Accessories

Connecting Tubing / For single use, material: PVC

Length	REF	Box
100 cm	54-05-112	10



Features

Additional
information

Application Video

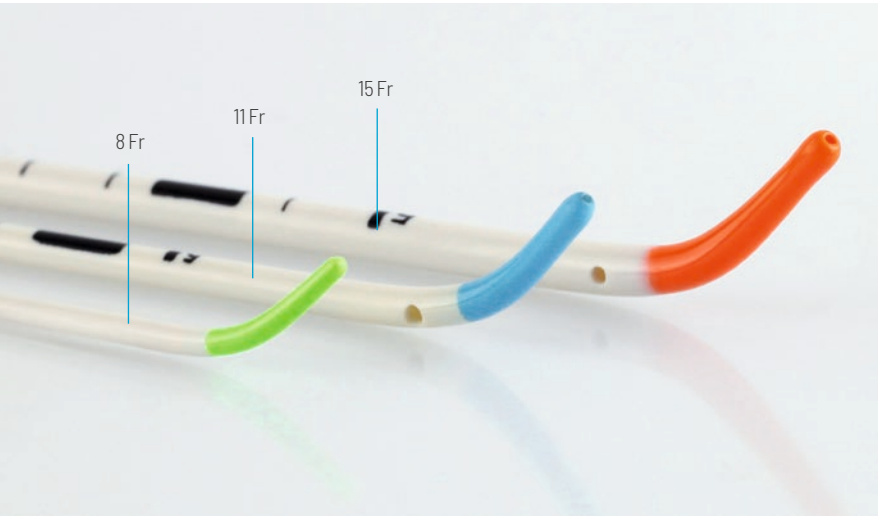


Brochure

Annotated
Bibliography

S-Guide

Malleable Intubating Guide for Difficult Airway Management



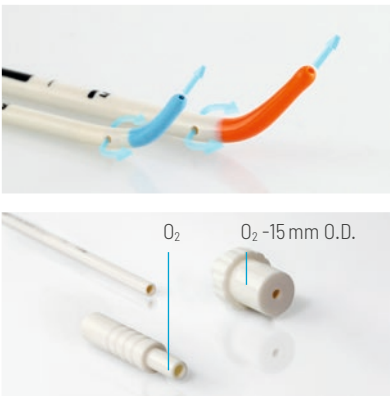
The S-Guide is an intubation aid for difficult airway management and facilitates orotracheal intubation, especially in patients where visualisation of the glottis is inadequate.

Due to its **malleability**, it is suitable for direct and indirect laryngoscopy, in particular for video laryngoscopes with non channelled blades.

Supplied with two types of O₂ Connectors, **oxygenation*** is possible throughout the whole intubating process, not impairing oxygenation even when the S-Guide is bent. For patient safety the S-Guide is provided with a coloured, preformed and atraumatic **soft tip**.

* Oxygenation is possible with the sizes 11 Fr and 15 Fr. Oxygenation is not possible with the size 8 Fr.

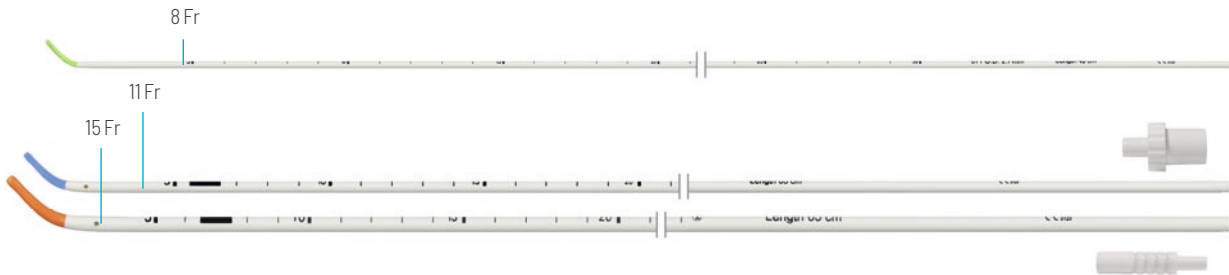
Features



Malleability

Oxygenation*

Soft tip



Order information

S-Guide / Two types of O₂ Connectors included, for single use, sterile

Size	Length	Centimetre marking	For Tracheal Tube	REF	Box
8 Fr	40 cm	5 to 30 cm	≥ 3.0 mm I.D.	33-92-400-1	5
11 Fr	65 cm	5 to 40 cm	≥ 4.5 mm I.D.	33-91-650-1	5
15 Fr	65 cm	5 to 40 cm	≥ 6.0 mm I.D.	33-90-650-1	5

Additional information



Application Video



Brochure



Recommendation of use



Annotated Bibliography

i-Bougie

The versatile Introducer to facilitate difficult intubation

The i-Bougie is an effective device to facilitate oro-tracheal intubation, especially in patients where visualization of the glottis is inadequate.

Made of HDPE* material (non-PVC) with specific mechanical properties, the i-Bougie is shapeable according to the laryngoscope blade and the low friction surface facilitates easy railroading of the tracheal tube. The design of the distal tip is atraumatic and rounded and provides additional confidence to the user.

The i-Bougie is hollow and supplied with two types of O₂ Connectors allowing oxygen flow through the lateral openings at the distal tip.

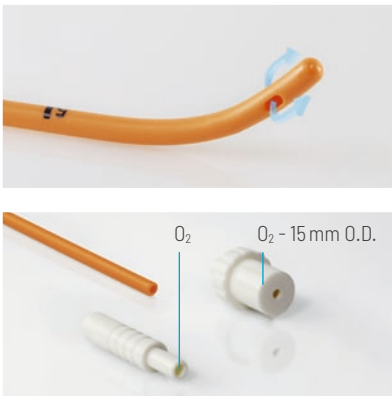
* HDPE = High Density Polyethylene



Features



Shapeability



Oxygenation



Rounded tip



Order information

i-Bougie / Two types of O₂ Connectors included, for single use, sterile

Size	Length	Centimetre marking	For Tracheal Tube	REF	Box
14 Fr	70 cm	5 to 40 cm	≥ 6.0 mm I.D.	33-70-700-1	5

Additional information



Application Video



Brochure



Flyer



Annotated Bibliography

X-Changer

To maintain the airway during tracheal tube exchange



The X-Changer is designed to facilitate tracheal tube exchange with the possibility for temporary oxygenation. 3 sizes are available to minimize the gap between I.D. of tracheal tube and O.D. of catheter to avoid impingement upon the arytenoids (6). The catheter is made of soft material for better patient tolerance. When used as placeholder for extubation it can be left in situ until the need for reintubation is deemed unlikely (7, 8). Maintaining airway access increases the probability of success should reintubation of the patient with a difficult airway become necessary (9). The X-Changer can be used to increase the safety of changing tracheal tubes (10).

Features



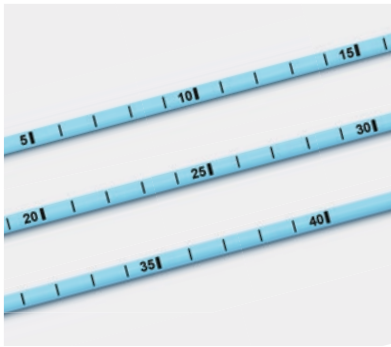
Soft tip

- Blunt tip is flexible and atraumatic
- Colour coded for easy size recognition



Oxygenation

- Hollow catheter with lateral openings to deliver oxygen
- Supplied with two types of O₂ connectors



Centimetre markings

- For safe determination of the insertion depth
- Allow proper alignment with the tracheal tube

19Fr	51	101	151	201	251	301	351	401	19 Fr O.D. 6.3 mm	5	Length 80 cm	VBR	CE
14Fr	11	61	111	161	211	261	311	361	14 Fr O.D. 4.7 mm	5	Length 80 cm	VBR	CE
11Fr	11	61	111	161	211	261	311	361	11 Fr O.D. 3.7 mm	5	Length 80 cm	VBR	CE

Order information

X-Changer / For single use, sterile

Size	Length	Centimetre marking	For Tracheal Tube	REF	Box
11Fr	80 cm	5 to 40 cm	≥ 4.0 mm I.D.	33-42-800-1	5
14Fr	80 cm	5 to 40 cm	≥ 5.0 mm I.D.	33-41-800-1	5
19Fr	80 cm	5 to 40 cm	≥ 7.0 mm I.D.	33-40-800-1	5

Additional information



Application Video



Brochure



Flyer
Intubation Aids



Annotated Bibliography - References see page 28

Pocket Introducer

The smallest packaged Introducer



- Ideal space solution for emergency bags and vehicles, helicopters, doctors' gown, crash carts, etc.
- Folded to 20 cm, unfolds to 65 cm with only 3 clicks
- Ready for use within seconds
- Preformed tip
- Centimetre marking from 10 to 40 cm



Plastic cartridge

Order information

Pocket Introducer / For single use, sterile

Size	Length	Centimetre marking	For Tracheal Tube	REF	Box
15 Fr	65 cm	10 to 40 cm	≥ 6.0 mm I.D.	33-80-650-1	5

Pocket Introducer / In robust plastic cartridge, for single use, sterile

Size	Length	Centimetre marking	For Tracheal Tube	REF	Box
15 Fr	65 cm	10 to 40 cm	≥ 6.0 mm I.D.	33-81-650-1	1

Additional information



Application Video



Annotated Bibliography

Stylet

To preform the Tracheal Tube



- Soft, atraumatic tip
- With and without moveable silicone connector

Order information

Stylet / Reusable

Size	Length	For Tracheal Tube	Without silicone connector	Box	With moveable silicone connector (15 mm I.D.)	Box
Small	34 cm	2.5 – 3.5 mm I.D.	REF 90-10-111	25	REF 90-10-001	10
Medium	38 cm	4.0 – 4.5 mm I.D.	REF 90-10-222	25	REF 90-10-002	10
Large	45 cm	5.0 – 6.5 mm I.D.	REF 90-10-333	25	REF 90-10-003	10
Large	45 cm	7.0 – 11.0 mm I.D.	REF 90-10-444	25	REF 90-10-004	10

Additional information



Annotated Bibliography

Quicktrach I + II

Percutaneous Cricothyrotomy

Quicktrach I and Quicktrach II (with cuff) are two percutaneous cricothyrotomy sets according to the catheter-over-needle technique. The sterile sets are pre-assembled and immediately ready for use.

Order
information

Quicktrach I / In blister packaging, for single use, sterile

Patient	Cannula	REF	Box
Child	2.0 mm I.D.	30-04-002-1	1
Adult	4.0 mm I.D.	30-04-004-1	1

Quicktrach I / In plastic tube, for single use, sterile

Patient	Cannula	REF	Box
Child	2.0 mm I.D.	30-04-902-1	1
Adult	4.0 mm I.D.	30-04-904-1	1



Blister packaging



Plastic tube
Ideal for emergency bags
Dimension:
(L) 23 cm, (Ø) 5 cm



Order
information

Quicktrach II / With cuff, in blister packaging, for single use, sterile

Patient	Cannula	REF	Box
Adult	4.0 mm I.D.	30-10-004-1	1

Quicktrach II / With cuff, in plastic tube, for single use, sterile

Patient	Cannula	REF	Box
Adult	4.0 mm I.D.	30-10-904-1	1



Blister packaging



Plastic tube
Ideal for emergency bags
Dimension:
(L) 23 cm, (Ø) 5 cm



Additional
information



Application Video
Quicktrach I



Application Video
Quicktrach II



Brochure
Quicktrach I



Annotated
Bibliography

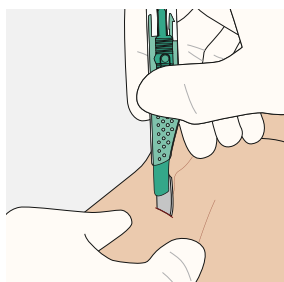
ScalpelCric

Surgical Cricothyrotomy – Scalpel technique

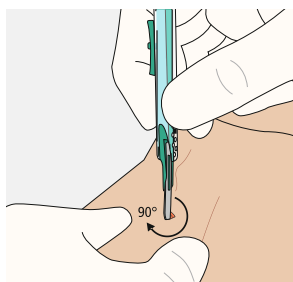


ScalpelCric is a surgical set for cricothyrotomy according to the scalpel technique. The set has been developed to match the latest recommendations from the DAS (Difficult Airway Society) 2015 Guidelines.

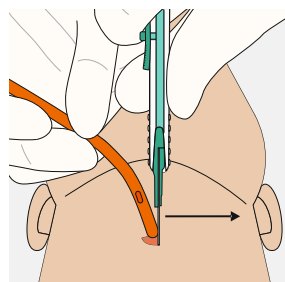
Based on the simple description of "**stab, twist, bougie, tube**", the ScalpelCric is meant to facilitate the execution of eFONA (emergency Front Of Neck Access) in a CICO situation (Cannot Intubate – Cannot Oxygenate). The set is packed in a specific sterile pouch with each component organised in the order of use. This can be important at the critical time of the procedure.



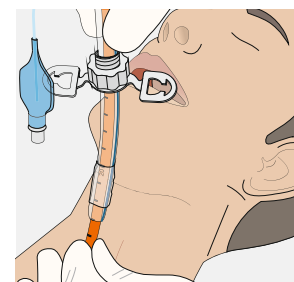
1. Stab



2. Twist



3. Bougie



4. Tube



1 2 3 4 5 6

Content

- | | |
|------------------------------|--------------------|
| 1 Scalpel # 10 | 4 Extension tubing |
| 2 14 Fr Bougie (40 cm) | 5 Syringe 10 ml |
| 3 6.0 mm I.D. tube with cuff | 6 Necktape |

Robust packaging and compact pack size to fit emergency bags, backpacks, crash carts, etc.



Pack size: 31.5 cm (L) x 15.2 cm (W) x 5.0 cm (H)
Unfolded size / sterile field: 56 cm (L) x 39 cm (W)

Order
information

ScalpelCric / For single use, sterile

REF	Box
30-08-447-1	1

Additional
information



Application Video



Brochure
ScalpelCric



Flyer
ScalpelCric



Flyer
Cricothyrotomy



Annotated Bibliography

/ Surgicric II + III



The Surgicric is a cricothyrotomy set to maintain ventilation in case of obstruction of the upper airway.

Surgicric II is applied to the classical surgical technique.

Surgicric III allows a cricothyrotomy according to the Seldinger technique.

The unique instrument packing system provides the following advantages to the user:

- Clear overview of all components
- Sterile application in any environment
- Small pack size, making it ideal for emergency bags

The main feature of Surgicric is the special combination of tube and dilator. The locking mechanism and the soft tip maximise patient safety and reduce the risk of injury.

Features

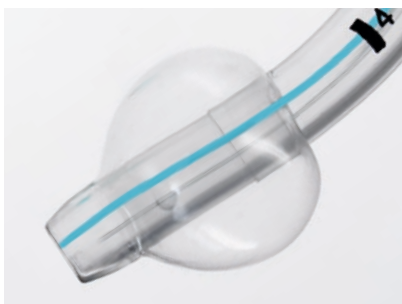


Soft Tip

Atraumatic



Locking mechanism



Patient safety



Individually adjustable

Surgicric II

Surgical Cricothyrotomy – Classical surgical technique



Content

- | | |
|--|--------------------|
| 1 Safety scalpel #11 | 5 Extension tubing |
| 2 Syringe 10 ml | 6 Tracheal hook |
| 3 6.0 mm I.D. cuffed tube with dilator | 7 Blunt scissors |
| 4 Necktape | 8 Speculum |

The set is packed in a specific sterile pouch and immediately ready for use.



Pack size: 31.5 cm (L) x 15.2 cm (W) x 5.0 cm (H)
Unfolded size / sterile area: 56 cm (L) x 39 cm (W)

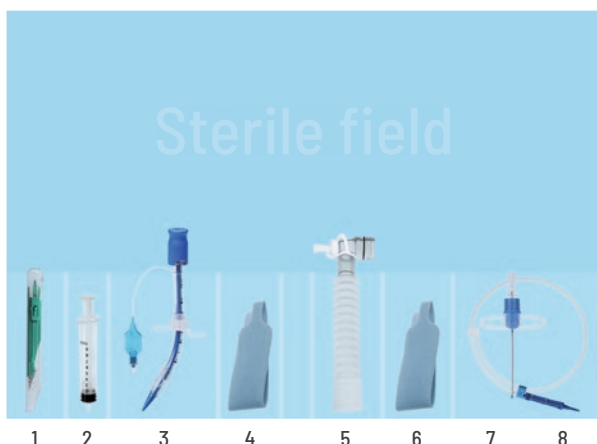
Order
information

Surgicric II / For single use, sterile

REF	Box
30-08-117-1	1

Surgicric III

Percutaneous Cricothyrotomy – Seldinger technique



Content

- | | |
|--|--|
| 1 Safety scalpel #11 | 5 Extension tubing |
| 2 Syringe 10 ml | 6 Necktape for cannula |
| 3 6.0 mm I.D. cuffed tube with dilator | 7 Introducer catheter (needle & cannula) |
| 4 Necktape for tube | 8 Guidewire |

The set is packed in a specific sterile pouch and immediately ready for use.



Pack size: 31.5 cm (L) x 15.2 cm (W) x 5.0 cm (H)
Unfolded size / sterile area: 56 cm (L) x 39 cm (W)

Order
information

Surgicric III / For single use, sterile

REF	Box
30-08-227-1	1

Additional
information



Application Video
Surgicric II



Application Video
Surgicric III



Annotated
Bibliography

Manujet III

The Manujet III is a manually controlled oxygen delivery system used for transtracheal ventilation. It is recommended for emergency rooms, crash carts, ambulances and operating rooms as it offers a quick and efficient oxygenation of a patient.



Order information

Manujet III / In a case with 4 m pressure hose, Jet-Ventilation Catheters acc. to Ravussin (13 G, 14 G, 16 G) and 100 cm Connecting Tube

REF	Box
30-01-003	1

Manujet III / Ditto but with NIST plug and without pressure hose

REF	Box
30-01-003NIST	1

Connecting Tube for Manujet III / Length 100 cm, non sterile

REF	Box
54-05-111	10



Jet-Ventilation Catheters

Percutaneous Cricothyrotomy

Order information

Jet-Ventilation Catheters acc. to Ravussin / For single use, sterile

Size	Emergency Set With syringe	Box	Anaesthesia Set Without syringe	Box
13 G	REF 30-02-913-1	1	REF 30-02-013-1	5
14 G	REF 30-02-914-1	1	REF 30-02-014-1	5
16 G	REF 30-02-918-1	1	REF 30-02-018-1	5



Additional information



Annotated Bibliography

Endoscopy Mask

Allows endoscopy and simultaneous ventilation during fiberoptic intubation, bronchoscopy, gastroenterology or transesophageal echocardiography. A specific membrane prevents airway leak at any step of the procedure, providing an excellent seal on the patient's face and during insertion of the endoscope or a tracheal tube. It is especially beneficiary to patient comfort and the working quality of the practitioner during awake procedures.

Order
information

Endoscopy Mask / For single use,
material: PVC

Size	Membrane	REF	Box
0	2.0 mm I.D.	30-40-000	6
1	2.0 mm I.D.	30-40-111	6
3	3.0 mm I.D.	30-40-333	6
3	5.0 mm I.D.	30-40-335	6
5	5.0 mm I.D.	30-40-555	6
5	10.0 mm I.D.	30-40-777	6



Membrane / For single use, material: Silicone

Hole	REF	Box
2.0 mm I.D.	30-40-121	5
3.0 mm I.D.	30-40-123	5
5.0 mm I.D.	30-40-125	5
10.0 mm I.D.	30-40-127	5



Hook Ring / Fits for Endoscopy Masks, for
single use, material: PA

REF	Box
30-40-266	10



Fixation Tape / For single use,
material: Isoprene

Patient	REF	Box
Adult	35-30-255	10



Fixation Tape / Reusable,
material: Silicone

Patient	REF	Box
Child	35-70-155	10
Adult	35-70-255	10



Additional
information



Brochure



Application Video
Echocardiography



Application Video
Endoscopy



Application Video
Fiberoptic intubation



Application Video
Sedation during gastrointestinal endoscopy

Bronchoscope Airway

The lumen is large enough to guide the fiberscope and tracheal tube. The length is designed to form a path leading to the glottis. The Airway has a lateral opening for easy removal after intubation. The external biteblock protects the fiberscope.

Order
information

Bronchoscope Airway / With integrated
biteblock, for single use, sterile, material: EVA

Size	Length	REF	Box
0	36 mm	30-40-400-1	10
2	65 mm	30-40-420-1	10
4	85 mm	30-40-440-1	10



Silicone Resuscitator Set

Reusable



Order information

Set for Infant /
In a rigid, transparent carrying case,
Silicone Resuscitator Bag 280 ml,
Silicone Face Mask size 1,
Reservoir Bag 600 ml,
200 cm O₂-Tubing

REF	Box
88-10-390	1

Set for Child /
In a rigid, transparent carrying case,
Silicone Resuscitator Bag 450 ml,
Silicone Face Mask size 3,
Reservoir Bag 2500 ml,
200 cm O₂-Tubing

REF	Box
88-10-290	1

Set for Adult /
In a rigid, transparent carrying case,
Silicone Resuscitator Bag 1500 ml,
Silicone Face Mask size 5,
Reservoir Bag 2500 ml,
200 cm O₂-Tubing

REF	Box
88-10-190	1



Silicone Resuscitator Bag

Order information

Silicone Resuscitator Bag / Reusable

Infant 280 ml	Box
REF 88-10-300	1

Child 450 ml	Box
REF 88-10-200	1

Adult 1500 ml	Box
REF 88-10-100	1



PVC Resuscitator Set

For single use



Order
information

Set for Infant /

In a transparent PE-bag,
PVC Resuscitator Bag 280 ml,
PVC Face Mask size 1,
Reservoir Bag 600 ml,
200 cm O₂-Tubing

REF	Box
84-10-395	6

Set for Child /

In a transparent PE-bag,
PVC Resuscitator Bag 450 ml,
PVC Face Mask size 3,
Reservoir Bag 2500 ml,
200 cm O₂-Tubing

REF	Box
84-10-295	6

Set for Adult /

In a transparent PE-bag,
PVC Resuscitator Bag 1500 ml,
PVC Face Mask size 5,
Reservoir Bag 2500 ml,
200 cm O₂-Tubing

REF	Box
84-10-195	6



Silicone Face Masks

Order
information

Bi-Mask / Reusable

Size	Patient	Connection	Colour	REF	Box
2	Child, small	22 mm I.D.	■	35-65-222	1
3	Child, large	22 mm I.D.	■	35-65-223	1
4	Adult, small	22 mm I.D.	■	35-65-224	1
5	Adult, medium	22 mm I.D.	■	35-65-225	1
6	Adult, large	22 mm I.D.	■	35-65-226	1



Rendell Baker Mask / Reusable

Size	Patient	Connection	REF	Box
0	Newborn	22 mm I.D.	35-60-000	10
1	Infant	22 mm I.D.	35-60-001	10
2	Child, small	22 mm I.D.	35-60-002	10
3	Child, large	22 mm I.D.	35-60-003	10



Paediatric Mask / Reusable

Size	Patient	Connection	REF	Box
0	Newborn	15 mm O.D.	88-11-000	10
1	Infant	15 mm O.D.	88-11-001	10
2	Child	22 mm I.D.	88-11-002	10



Accessories

Fixation Tape / Reusable, material: Silicone

Patient	REF	Box
Child	35-70-155	10
Adult	35-70-255	10



Fixation Tape / For single use, material: Isoprene

Patient	REF	Box
Adult	35-30-255	10



Hook Ring for Bi-Mask / Reusable, material: PSU

REF	Box
88-60-266	10



PVC Face Mask

Order
information

PVC Face Mask / With inflatable cushion, for single use

Size	Patient	Connection	Colour	REF	Box
1	Newborn	15 mm O.D.	-	35-40-201	10
2	Infant	15 mm O.D.	-	35-40-202	10
3	Child	22 mm I.D.	■	35-40-203	10
4	Adult, small	22 mm I.D.	■	35-40-204	10
5	Adult, medium	22 mm I.D.	■	35-40-205	10
6	Adult, large	22 mm I.D.	■	35-40-206	10



Accessories

PEEP-Valve / Reusable, material: PSF

Pressure Range	Connection	Colour	REF	Box
2-10 cmH ₂ O	30 mm I.D. with additional adapter 22 mm O.D.	Blue	88-13-006	1
5-20 cmH ₂ O	30 mm I.D. with additional adapter 22 mm O.D.	Blue	88-13-007	1

**PEEP-Valve** / For single use, material: PC

Pressure Range	Connection	Colour	REF	Box
2-10 cmH ₂ O	30 mm I.D. with additional adapter 22 mm O.D.	Orange	89-13-006	1
5-20 cmH ₂ O	30 mm I.D. with additional adapter 22 mm O.D.	Orange	89-13-007	1

**Oxygen Tubing** / For single use, material: PVC

Length	REF	Box
200 cm	89-17-000	1

**PEEP-Adapter** / 22 mm I.D. / 30 mm O.D., for PEEP-Valve when used with Silicone Resuscitator Bag, reusable, material: PSF

REF	Box
88-13-003	1

**Reservoir Bag** / For single use, material: PVC

Size	REF	Box
600 ml	89-12-020	5
2500 ml	89-12-010	5

Spare parts for
Silicone
Resuscitators**Non-Rebreathing Valve** / Without Pressure Relief, reusable, material: PSF

REF	Box
88-14-000	1

**Non-Rebreathing Valve** / With Pressure Relief 40 cmH₂O, reusable, material: PSF

REF	Box
88-15-000	1

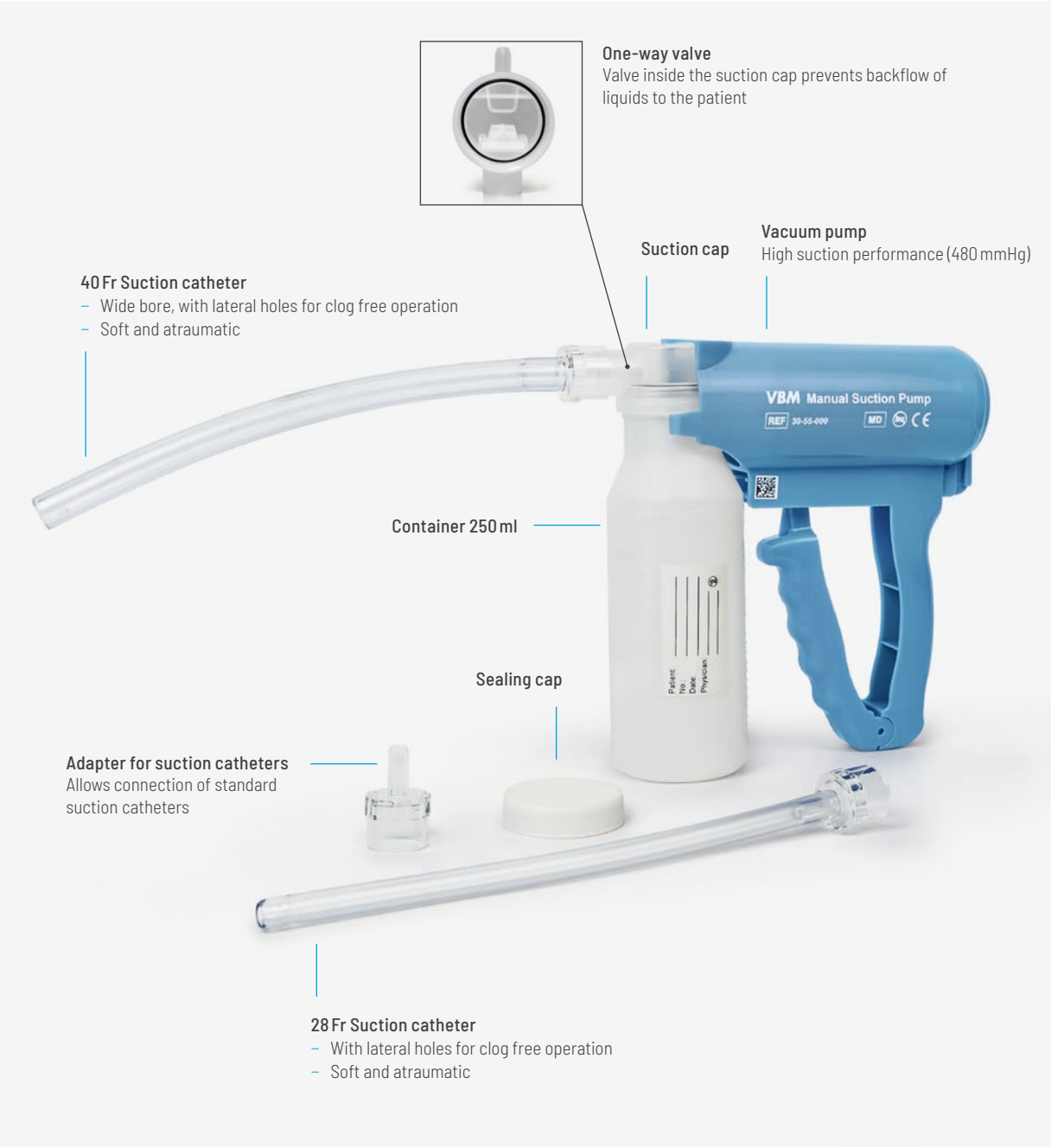
**Intake Valve** / Reusable, material: PSF

REF	Box
88-26-000	1



Manual Suction Pump

- Inexpensive alternative for EMS personnel and first responders
- Easily fits in most emergency cases or bags
- Always ready for use, as the operation of the device is independent from any power source



Order
information

Manual Suction Pump / Vacuum pump, suction catheters (28 Fr and 40 Fr), container 250 ml, sealing cap, adapter for standard suction catheters, suction cap
Vacuum pump: reusable
Accessories: for single use

REF	Box
30-55-000	1

Accessory Kit for Manual Suction Pump / Suction catheters (28 Fr and 40 Fr), container 250 ml, sealing cap, adapter for standard suction catheters, suction cap
For single use

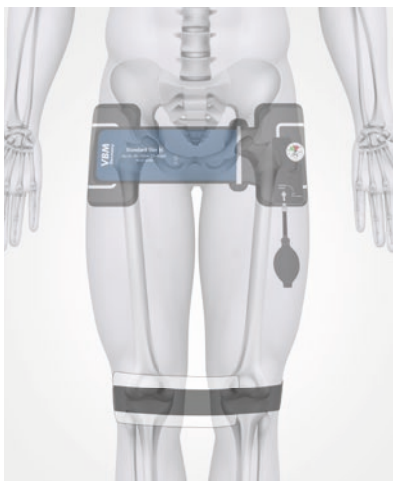
REF	Box
30-56-000	1

All accessories in one set

/ Pelvic Sling

Pneumatic system for the stabilisation of pelvic fractures

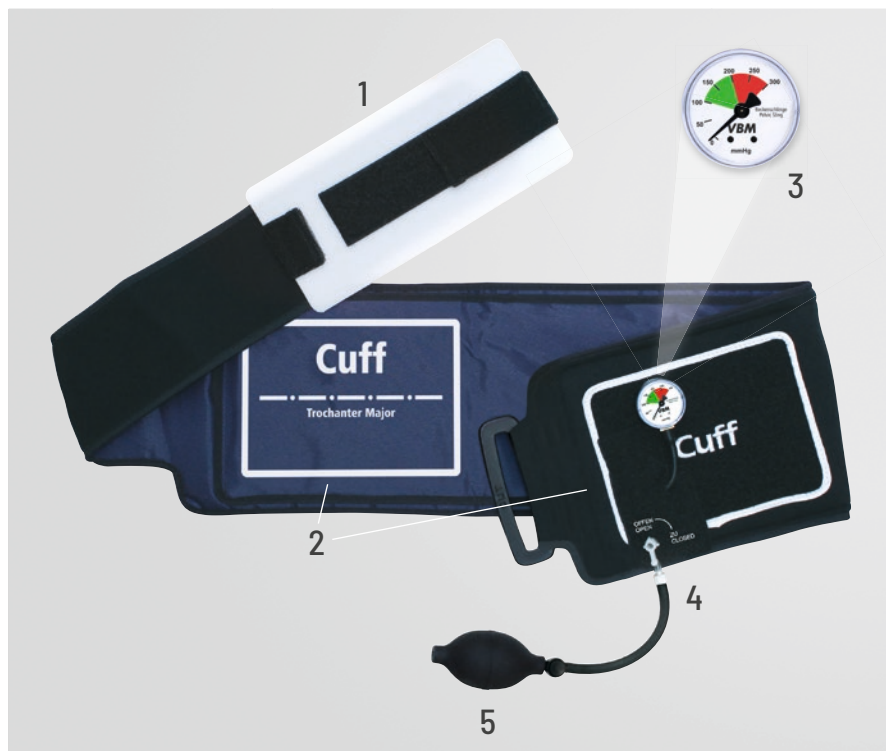
The Pelvic Sling is a non-invasive, external pelvis stabiliser for compression and stabilisation of unstable pelvic fractures. The inflatable cuffs exert a lateral pressure to the pelvis for external stabilisation of the pelvic ring to restore the anatomic conditions. Hemorrhage is reduced by reduction of the intra-pelvic volume.



Pelvic Sling in situ with slide splint used as knee fixation



The Pelvic Sling is packed in a compact size bag, ready to use.
Pack size 42 (L) x 19 (W) x 7 (H) cm



1 Slide Splint / Knee Fixation

- To slide the Pelvic Sling underneath the patients pelvis
- After removal used as knee fixation to maintain the internal rotation of the lower extremities

2 Cuffs

- Lateral compression of the pelvis due to pneumatic cuffs
- Minimal mechanical manipulation on the fractured pelvis

3 Manometer

- Visual control of the applied pressure

4 Stopcock

- For a leak free transport

5 Hand Inflator

- For inflation and deflation of both cuffs
- Removable for MRI use

Order
information

Pelvic Sling / With manometer and hand inflator, for single use

Size	Patient	Hip circumference	REF	Box
S	Junior	70 – 90 cm	34-10-006	1
M	Standard	90 – 110 cm	34-10-004	1
L	Large	110 – 140 cm	34-10-005	1

Additional
information



Application Video



Annotated
Bibliography

/ Airway Management Simulators

Simulation is the ideal method for replicating clinical situation and contributes to improve patient care by enhancing proficiency of practitioners. VBM has developed a wide range of skill-trainers and mannequins with the highest possible fidelity to train all airway procedures.

/ Bill III

- Tracheal intubation
- Supraglottic airway insertion
- Mask ventilation
- Fiberoptic bronchoscopy (if bronchial tree is connected)
- Fiberoptic intubation
- Video laryngoscopy
- Inflatable tongue for Difficult Airway simulations



Order information

Bill III / Complete with base, carina with bayonet lock and carrying bag

REF	Box
30-29-000	1

Bronchial tree acc. to Dr. Nakhosteen / For connection to simulator "Bill III"



REF	Box
30-19-400	1

/ Transparent Head

Order information

Transparent Head / For demonstration and positioning of Laryngeal Tubes, with carrying bag

REF	Box
30-16-300	1



/ Crico-Trainer

Order
information

Crico-Trainer "Adelaide"

The chin is moveable to train cricothyrotomy under more difficult conditions. The skin has two layers to simulate skin and cricothyroid membrane. Complete with 5 skins.

Crico-Trainer "Adelaide" / With 5 skins

REF	Box
30-14-700	1

Crico-Trainer "Frova"

For practising cricothyrotomy and percutaneous tracheostomy, complete with 10 skins and 10 tracheas.

Crico-Trainer "Frova" / With 10 skins and 10 tracheas

REF	Box
30-14-000	1

Crico-Trainer "Animal"

For fixation of a real animal trachea, complete with 10 skins.

Crico-Trainer "Animal" / With 10 skins

REF	Box
30-14-500	1

Crico-Trainer "Paediatric"

For practising cricothyrotomy on the child, complete with 10 skins.

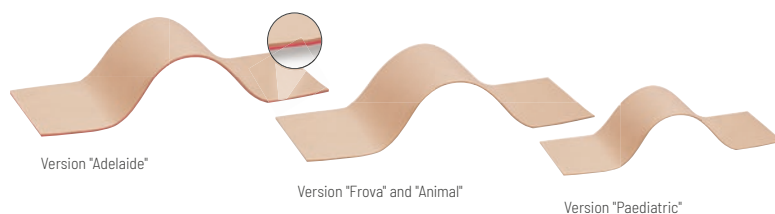
Crico-Trainer "Paediatric" / With 10 skins

REF	Box
30-14-900	1

Accessories

Skins /

Crico-Trainer	REF	Box
"Adelaide"	30-14-722	5
"Frova" and "Animal"	30-14-222	10
"Paediatric"	30-14-922	10



Larynx / For Crico-Trainer "Frova" and "Adelaide"

REF	Box
30-14-111	1



Tracheal structure / For Crico-Trainer "Frova"

REF	Box
30-14-444	10

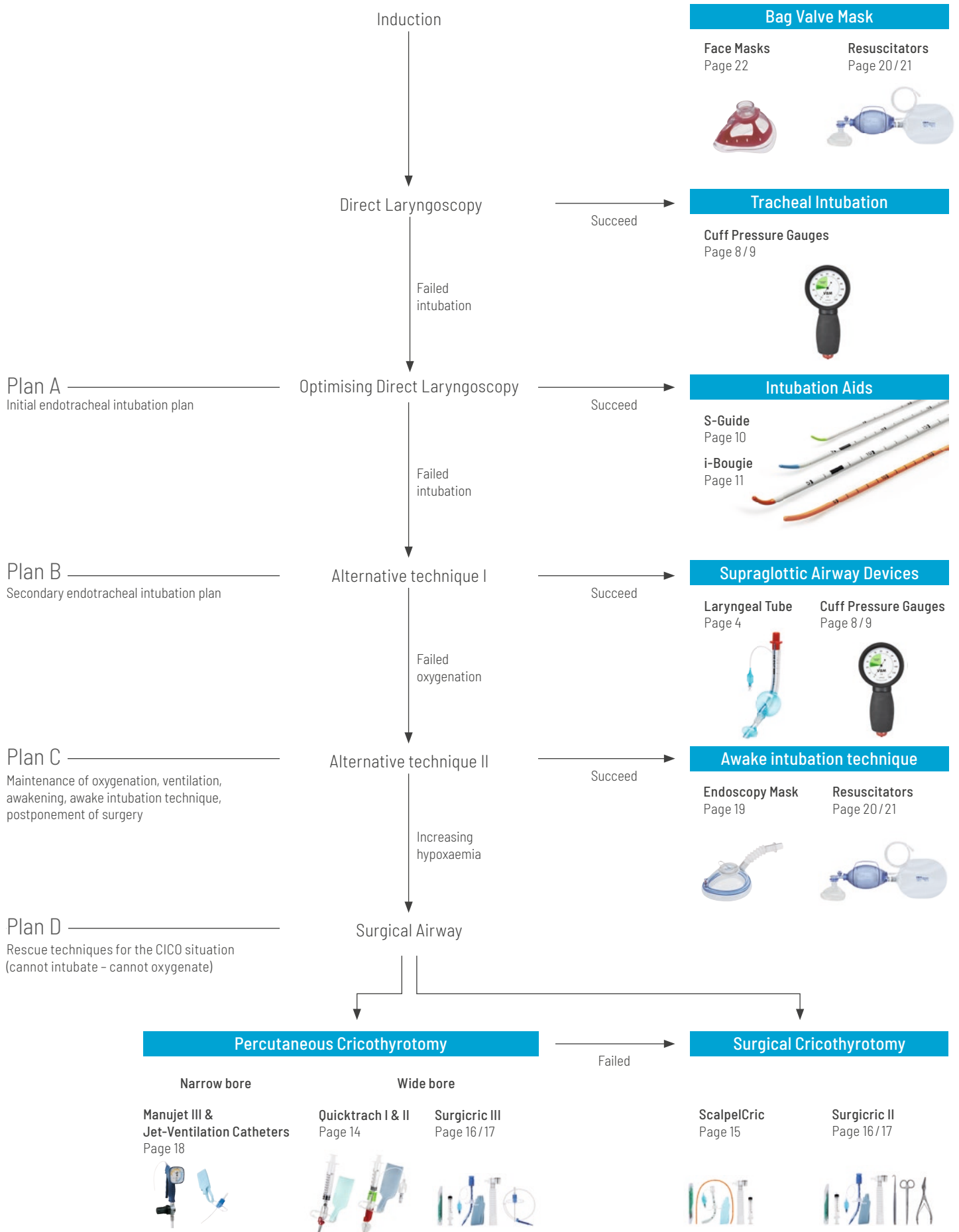


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/ VBM Difficult Airway Algorithm



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/ VBM – Specialists in Airway Management



Our company

Since 1981, we have been developing, producing and selling medical technology solutions in the areas of Airway Management, Accessories for Anesthesia & Intensive Care and Tourniquet Systems.

The family-owned company was founded over 40 years ago by Volker Bertram in Sulz am Neckar, Germany. "It all started with the Cuff Pressure Gauge - still a hidden champion of VBM today," says Carina Bertram, who has managed the company since 2016.

Today, we are a global company, with customers all over the world. However, our roots are in the northern Black Forest - this is where around 200 employees work from development to the finished product.

Our Vision

At VBM we think about the future. As a family business, we have the courage to think long-term and make sustainable decisions. Always with the aim of supplying our customers and ultimately the patients with high-quality products.



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