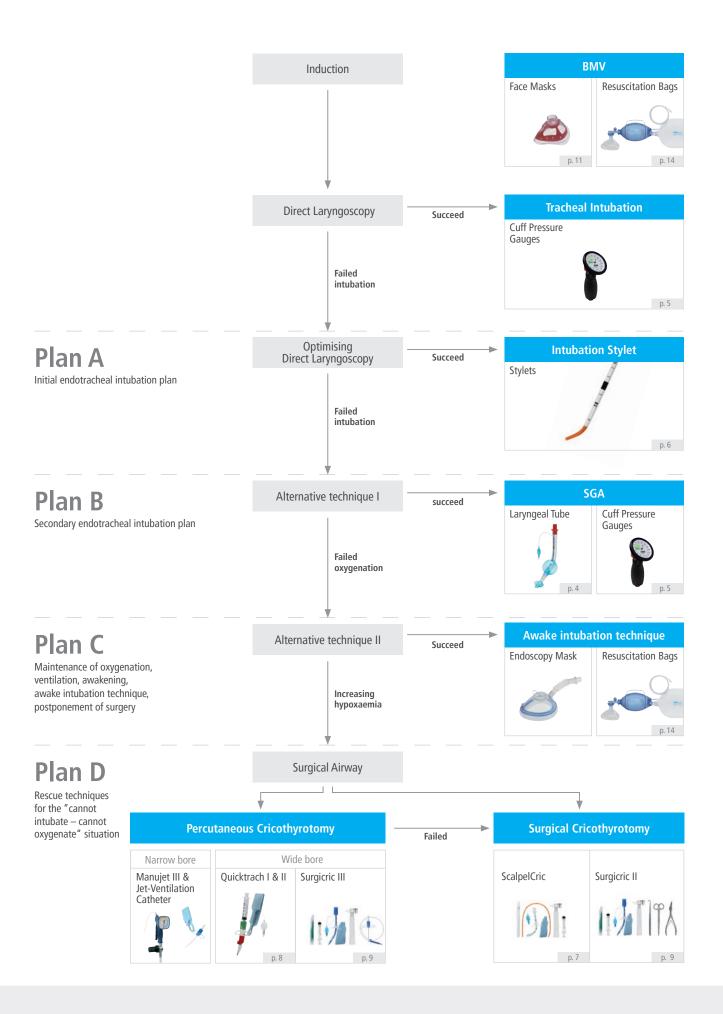




Product Catalogue

Emergency Medicine

VBM Difficult Airway Algorithm



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Disclaimer:

The VBM homepage includes information of the complete VBM medical device portfolio. Whether a medical device is available in your region must be inquired. Please contact your VBM customer service.



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

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

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

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

Laryngeal Tube

Laryngeal Tube LTS-D

The 2nd generation supraglottic airway device



The LTS-D complies with a built-in drain tube (up to 18 Fr) preventing the risk of aspiration.

The Laryngeal Tube also stands out for its unique high volume, low pressure cuffs. The extremely thin wall is atraumatic to the pharyngeal mucosa and seals the hypopharynx reliably at low cuff pressures (< 60 cmH₂O). Soft material and rounded edges additionally enhance patient comfort and safety.

The LTS-D is designed to be easy to use with minimal training. The colour coded system has proven invaluable in emergencies as the syringe indicates the recommended maximum inflation volume. The Laryngeal Tube allows correct ventilation - even in situations with limited space.

Laryngeal Tube LTS-D

For single use, sterile

Size	Patient	Weight / Height	Colour	Single Set With colour coded syringe	Set of 10	Emergency Set With colour coded syringe
0	Newborn	< 5 kg	Transparent	REF 32-06-100-1	REF 32-06-000-1	Child
1	Infant	5-12 kg	White	REF 32-06-101-1	REF 32-06-001-1	(#0, 1, 2, 2.5)
2	Child	12-25 kg	Green	REF 32-06-102-1	REF 32-06-002-1	REF 32-06-309-1
2.5	Child	125-150 cm	Orange	REF 32-06-125-1	REF 32-06-025-1	REF 32-00-309-1
3	Adult	< 155 cm	Yellow	REF 32-06-103-1	REF 32-06-003-1	Adult
4	Adult	155-180 cm	Red	REF 32-06-104-1	REF 32-06-004-1	(#3, 4, 5)
5	Adult	> 180 cm	Purple	REF 32-06-105-1	REF 32-06-005-1	REF 32-06-209-1







Laryngeal Tube

Accessories

Catheter Mount Tubings

For single use

Length: 15 cm, sterile	Box	Length: 30 cm, non-sterile	Box
REF 60-60-150-1	25	REF 60-60-300	10



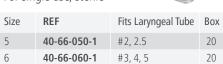
Syringe for Laryngeal Tube

For single use, colour coded

Size	REF	For Laryngeal Tube	Box
20 ml	54-04-111	# 0, 1	10
60 ml	54-04-444	#0-3	10
100 ml	54-04-555	#0-5	10



Biteblock for LTS-D With elastic necktape For single use, sterile



Cuff Pressure Gauges

Cuff Manometer – Analog Cuff Pressure Gauge



Universal Ø 68 mm scale With hook

Scala with two green ranges

- For tracheal tubes (22-32 cmH₂O)
- For Laryngeal Tubes and Laryngeal Masks (32-60 cmH₂O)

REF 54-07-000

Connecting Tube

For single use, Material: PVC

Length	REF	Box
100 cm	54-05-112	10
200 cm	54-05-113	10



Stylets and Introducers

S-Guide

Malleable intubating stylet for video laryngoscopy

- Lumen-design, O₂ Connector included
- Centimetre marking
- Unique design:
 - Soft tip
 - 2 Malleable segment (up to length 42 cm)
- 3 Flexible segment (from length 42 cm)
- For single use, sterile





Application video: S-Guide



S-Guide with portable videolaryngoscope

Size

15 Fr

Length

65 cm

For tracheal tube

≥ 6.0 mm

Box

33-90-650-1

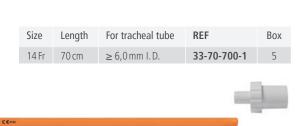
Application video: i-Bougie

i-Bougie

To facilitate orotracheal intubation

- Oxygenate, 2 types of O2 Connectors included
- Rounded, atraumatic distal tip with lateral openings
- Centimetre marking from 5 to 40 cm
- Material:
 - Low friction surface
 - Allows shaping of the i-Bougie





Pocket Introducer

Ideal space solution for emergency bags and vehicles, helicopters, lab coat pockets, crash carts, etc.

- Folded to 20 cm, unfolds to 65 cm
- Ready for use within seconds
- Preformed tip
- Centimetre marking
- For single use, sterile

Size	Length	For tracheal tube	REF	Box
15 Fr	65 cm	> 6.0 mm	33-80-650-1	5

In robust plastic cartridge

Size	Length	For tracheal tube	REF	Box
15 Fr	65 cm	≥ 6.0 mm	33-81-650-1	1



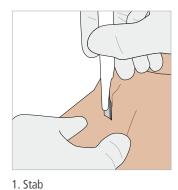
ScalpelCric



The ScalpelCric from VBM 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 the scalpel technique.

Each component is designed to enhance the safety and efficacy of the technique. The set is packed in a specific sterile pouch with each component organised in the order of use. This reduces the risk of confusion at the critical time of the procedure.

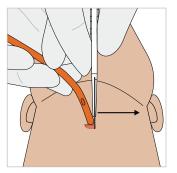
Scalpel #10, 14 Fr bougie (40 cm) with angled and rounded tip, 6.0 mm cuffed tube with smooth tip, extension tubing with suction capability, syringe for cuff inflation and necktape for tube fixation.



2. Twist



3. Bougie



4. Tube

Order information

ScalpelCric

- 1 Scalpel #10
- 2 14 Fr bougie (40 cm)
- **3** 6.0 mm cuffed tube
- 4 Extension tubing
- 5 Syringe 10 ml
- 6 Necktape

ScalpelCric

For single use, sterile

REF 30-08-447-1



ScalpelCric training set

Non sterile

REF 30-08-447 Box 1





Application video: ScalpelCric

Quicktrach I, II

Quicktrach I and II are two sets of percutaneous cricothyrotomy according to the technique of catheter over the needle. A quick airway access is made possible via a one-step procedure. An incision by scalpel isn't necessary. The sterile sets are pre-assembled and immediately ready for use.

Quicktrach I in blister packaging

For single use, sterile

Patient	I.D.	Quicktrach I	Box
Infant	1.5 mm	REF 30-04-015-1	1
Child	2.0 mm	REF 30-04-002-1	1
Adult	4.0 mm	REF 30-04-004-1	1

Quicktrach I in plastic tube

For single use, sterile Ideal for emergency bags (compact and robust)

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

Quicktrach II in blister packaging

For single use, sterile

Patient	I.D.	Quicktrach II with Cuff	Box
Adult	4.0 mm	REF 30-10-004-1	1

Quicktrach II in plastic tube

For single use, sterile Ideal for emergency bags (compact and robust)

Patient	I.D.	Quicktrach II with Cuff	Box
Adult	4.0 mm	REF 30-10-904-1	1





Application video: Quicktrach II





Surgical airway is the ultima ratio for the unsuccessful arm of the emergency pathway. Identification of the cannot intubate – cannot ventilate scenario should result in immediate consideration of surgical airway access. Delays in achieving airway control and oxygenation will lead to hypoxic brain injury.

The incidence level of cricothyrotomy is estimated at approximately 1% of all emergency airway cases.

In order to master a cricothyrotomy in an emergency successfully, training on simulators seems to be indispensable.

VBM provides specific devices for every scenario of the surgical airway, like:

- ► Surgical airway with Surgicric II
- ► Narrow bore cannula with Jet-Ventilation Catheters and Manujet III
- ► Wide bore cannula with Quicktrach I, II and Surgicric III

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.



Pack size: 24 cm (L) x 13 cm (W) x 4 cm (H) Unfolded size / sterile area: 56 cm (L) x 39 cm (W)



Surgicric II - Classic surgical technique

- 1 Scalpel #11
- 2 Syringe 10 ml
- 3 6.0 mm cuffed tube with dilator
- 4 Necktape

- 5 Extension tubing
- 6 Tracheal hook
- 7 Blunt scissors
- 8 Speculum

Surgicric II

For single use, sterile

REF 30-08-117-1 Box 1



Surgicric III - Seldinger technique

- 1 Scalpel # 11
- 2 Syringe 10 ml
- 3 6.0 mm cuffed tube with dilator
- 4 Necktape for tube
- 5 Extension tubing
- 6 Necktape for introducer needle
- 7 Introducer needle
- 8 Guidewire

Surgicric III

For single use, sterile

REF 30-08-227-1 Box 1



Face Masks

Silicone Face Masks

Reusable

Bi-Mask with silicone lip

Silicone mask with internal plastic shell (PSU)

Size	Patient	Connection	Colour code	REF	Box
2	Child	22 mm I.D.	Green	35-65-222	1
3	Adult, small	22 mm I.D.	Yellow	35-65-223	1
4	Adult, medium	22 mm I.D.	Red	35-65-224	1
5	Adult, large	22 mm I.D.	Purple	35-65-225	1
6	Adult, extra large	22 mm I.D.	Blue	35-65-226	1



Mask with plastic dome and inflatable cushion

Size	Patient	Connection	Colour code	REF	Box
2	Child	22 mm I.D.	Green	35-70-222	1
3	Adult, small	22 mm I.D.	Yellow	35-70-223	1
4	Adult, medium	22 mm I.D.	Red	35-70-224	1
5	Adult, large	22 mm I.D.	Purple	35-70-225	1
6	Adult, extra large	22 mm I.D.	Blue	35-70-226	1



Pediatric Mask, round

Size	Patient	Connection	REF	Box
0	Newborn	15 mm O.D.	80-11-000	10
1	Infant	15 mm O.D.	80-11-001	10
2	Child	22 mm I.D.	80-11-002	10



Face Masks

PVC Face Masks

For single use

Mask with inflatable cushion

Size	Patient	Connection	Colour code	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.	Yellow	35-40-203	10
4	Adult, small	22 mm I.D.	Red	35-40-204	10
5	Adult, medium	22 mm I.D.	Purple	35-40-205	10
6	Adult, large	22 mm I.D.	Blue	35-40-206	10



For Silicone and PVC Face Masks

Hook ring, Ø 33 mm Fits masks with plastic dome Reusable, Material: Metal

REF 80-11-266 Box 10



Hook ring, \emptyset 30–33 mm Fits Bi-Masks Reusable, Material: PSU

REF 35-60-266 Box 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



Oropharyngeal Airways **Guedel Airways**

Benefits and Features

- ► Atraumatic device made of soft material with efficient bite block
- ► Tracheal tube guidance and fixation thanks to the open flange and lateral clamp
- ► Tube-guiding channel with same lumen from proximal to distal end to allow largest possible suction catheters
- ► Open side with smooth inner surface facilitates suctioning



Order information

Guedel Airway				For single use, ste	rile, Material: EVA	
Size	Colour code	Length	Max. tracheal tube	Guedel Airway	Guedel Airway with elastic necktape	Box
000	Light blue	3.5 cm	3.0 mm I.D.	REF 40-20-007-1	-	30
00	Dark blue	5.0 cm	4.0 mm I.D.	REF 40-20-008-1	-	30
0	Black	6.0 cm	4.5 mm I.D.	REF 40-20-009-1	REF 40-26-009-1*	30
1	White	7.0 cm	6.0 mm I.D.	REF 40-20-010-1	REF 40-26-010-1	30
2	Green	8.5 cm	7.0 mm I.D.	REF 40-20-020-1	REF 40-26-020-1	30
3	Yellow	9.0 cm	8.0 mm I.D.	REF 40-20-030-1	REF 40-26-030-1	30
4	Red	10.0 cm	9.0 mm I.D.	REF 40-20-040-1	REF 40-26-040-1	30
5	Purple	11.0 cm	9.5 mm I.D.	REF 40-20-050-1	REF 40-26-050-1	30

Reusable, Material: PUR				
Guedel Airway	Box			
REF 40-40-007	10			
REF 40-40-008	10			
REF 40-40-009	10			
REF 40-40-010	10			
REF 40-40-020	10			
REF 40-40-030	10			
REF 40-40-040	10			
REF 40-40-050	10			

*Contains or presence of natural rubber latex.

Resuscitation Bags

Silicone Resuscitation Bags

Reusable, with barcode and serial number, intake valve with built-in reservoir valve







Resuscitation Bag	Infant 250 ml	Child 500 ml	Adult 2000 ml
40 cmH₂O pressure relief	REF 80-10-300	REF 80-10-200	REF 82-10-100
20 cmH₂O pressure relief	REF 80-10-306	-	-
Without pressure relief	REF 80-10-301	REF 80-10-201	REF 82-10-101

Accessories

Reservoir Bag

For single use

Size	REF	Box
600 ml	80-12-020	5
1800 ml	80-12-015	5
2600 ml	80-12-010	5



PEEP-Valve

Reusable, Material: PSU

Pressu	ıre Range	Connection	Colour	REF	Box
0-10	cmH ₂ O	22 mm O.D.	Green	80-13-001	1
0 - 10	cmH_2O	30 mm I.D.	Green	80-13-004	1
0-20	cmH₂O	22 mm O.D.	Blue	80-13-005	1
0-20	cmH ₂ O	30 mm I.D.	Blue	80-13-002	1





PEEP-Adapter

22 mm I.D. – 30 mm O.D. Reusable, Material: PSU

REF 80-13-003 Box 1



O₂-Tubing

For single use, Material: PVC

Length	REF	Box
200 cm	85-17-000	10



Transparent Carrying Case

Fits Resuscitation Bag	REF	Box
Infant, Child	80-10-080	1
Adult	80-10-090	1



Resuscitation Bags

PVC Resuscitation Bags

For single use

PVC Resuscitator Set consisting of:

- PVC-Resuscitation Bag (40 cmH₂O pressure relief)

- Face Mask
- Reservoir Bag
- O₂-Tubing 200 cm PEEP-Adapter (30 mm O.D.)





Infant Consisting of Resuscitation Bag 280 ml and face mask #1

REF	Box
84-10-399	1
84-10-395	6



Consisting of Resuscitation Bag 450 ml and face mask #3

REF	Box
84-10-299	1
84-10-295	6



Consisting of Resuscitation Bag 1500 ml and face mask #5

REF	Box
84-10-199	1
84-10-195	6

PEEP-Valve

For single use, Material: PC

Pressure Range	Connection	Colour	REF	Box
$0-10\text{cmH}_2\text{O}$	22 mm O.D.	Green	85-13-001	1
$0 - 10 cmH_2O$	30 mm I.D.	Green	85-13-004	1
$0-20\text{cmH}_2\text{O}$	22 mm O.D.	Blue	85-13-005	1
$0-20\text{cmH}_2\text{O}$	30 mm I.D.	Blue	85-13-002	1





Additional Products for Emergency

Manual Suction Pump

An effective and powerful manual suction pump for the quick suction of fluids from the oro- and nasopharyngeal cavities in emergency situations.

- ► Cost effective alternative to electrical and foot powered devices
- ► Portable and lightweight
- ► Fits easily in most bags
- ► Always ready for use as independent from any energy source
- ► Easy to squeeze with maximum performance
- ▶ Disposable collection canisters for adult and children
- ► Soft and atraumatic suction tips
- ► Valve prevents backflow of liquids to the patient
- ▶ Does not contain any ferromagnetic materials
- ▶ 15 mm I.D. connection
 - Allows connection of included suction tips
 - Allows connection of included catheter adapter for funnel shape suction catheters

Manual Suction Pump Set

With canister for adult and child, 3x suction tips (large, medium, small) and catheter adapter (for funnel shape suction catheters)

Colour	REF
Blue	30-55-500
Olive	30-55-501

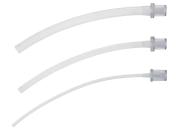


Accessories

Suction Catheter

For single use

Size	Fr	REF	Box
Small	14	30-57-305	10
Medium	28	30-57-609	10
Large	36	30-57-812	10



Canister with Cap

For single use

Patient	REF	Box
Child (50 ml)	30-56-050	10
Adult (250 ml)	30-56-250	10



Catheter Adapter

For funnel shape suction catheters For single use



Suction Cap For single use

REF 30-56-001 Box 10



Carry Bag

Fits pump, canisters and suction catheters





Additional Products for Emergency

Pelvic Sling

The pneumatic Pelvic Sling provides early stabilisation of pelvic fractures at the accident scene to allow patient transport and to reduce life-threatening bleeding.

Pelvic Sling With manometer and hand inflator For single use

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





Additional Products for Emergency **Pressure Infusion Cuffs**

Manual system for rapid I.V. infusion of solutions. Ideal for ambulances, operating rooms and intensive care stations.

Order information

Infusor

Transparent wrap-around design with hook, reusable

	Version	REF	Box
500 ml	With hand inflator, stop cock and colour coded pressure indicator	57-02-050	1
	With hand inflator, stop cock and precision manometer	57-08-050	1

	Version	REF	Box
1000 ml	With hand inflator, stop cock and colour coded pressure indicator	57-02-100	1
	With hand inflator, stop cock and precision manometer	57-08-100	1



Pressure Infusion Cuff

Pocket design with double hook, reusable

	Version	REF	Box
500 ml	With hand inflator, stop cock and colour coded pressure indicator	58-02-050	1
	With hand inflator, stop cock and precision manometer	58-08-050	1

	Version	REF	Box
1000 ml	With hand inflator, stop cock and colour coded pressure indicator	58-02-100	1
	With hand inflator, stop cock and precision manometer	58-08-100	1



Dispo Infusor

Pocket design with hanger, for single use

500 ml	Version	REF	Box
	With Luer Lock connection only	56-01-050	5
	With hand inflator, stop cock and colour coded pressure indicator	56-02-050	5
	With hand inflator and stop cock	56-03-050	5

1000 ml	Version	REF	Box
	With Luer Lock connection only	56-01-100	5
	With hand inflator, stop cock and colour coded pressure indicator	56-02-100	5
	With hand inflator and stop cock	56-03-100	5



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

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

Complete with base, carina with bayonet lock and carrying bag

REF 30-29-000





Bronchial tree acc. to Dr. Nakhosteen

For connection to simulator "BILL"

REF 30-19-400



Transparent Head

Cross section with upper airways

For demonstration and positioning of Laryngeal Tube LTS-D #3, 4, in carrying bag

REF 30-16-300

Airway Management Simulators

Crico-Trainer





Crico-Trainer "Frova"

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

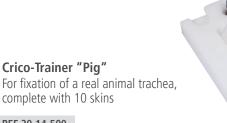
REF 30-14-000

Crico-Trainer "Adelaide"

For cricothyrotomy.

The special concept of skin with 2 layers is simulating the subcutaneous tissue and the cricothyroid membrane. It is designed to replicate difficult scenario thanks to the moveable chin. Complete with 5 skins

REF 30-14-700



Crico-Trainer "Pediatric" Complete with 10 skins

REF 30-14-900

Accessories

Crico-Trainer "Pig"

complete with 10 skins

REF 30-14-500



For Crico-Trainer "Frova" and "Pig"

REF 30-14-222 Box 10



For Crico-Trainer "Adelaide"

REF 30-14-722

Box 5



For Crico-Trainer "Pediatric"

REF 30-14-922 Box 10

Larynx

For Crico-Trainer "Frova" and "Adelaide"

REF 30-14-111 Box 1



Trachea

For Crico-Trainer "Frova"

REF 30-14-444 Box 10



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VBM – Specialists in Airway Management



VBM Medizintechnik GmbH is a family owned business operating worldwide. We develop and produce innovative products in the area of airway management, accessories for anesthesia and intensive care medicine as well as tourniquets for surgical procedures in the bloodless field.

Our company was founded 1981 by Volker Bertram and our headquarters are located in Sulz am Neckar, Germany. Around 200 employees are working in our departments like Research and Development, Production, Quality Management, Distribution, Service and Marketing.

Our excellent service can be measured in our longtime and personal cooperation with our customers. The close contact to our suppliers and users of our products is the basis of our claim to the continual improvement of our products and the development of new solutions for your tasks. We are aware of the responsibility towards patients and users alike and we focus on the high quality of our products in our everyday work.



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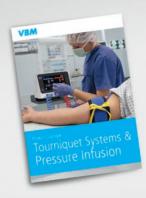




More VBM Product Catalogues







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