

EMERGENCY PRODUCTS & DIFFICULT AIRWAY



VBM Medizintechnik

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LARYNGEAL TUBE

The Laryngeal Tube is a supraglottic airway device for the use in general anesthesia during spontaneous or positive pressure ventilation. In emergency it is an ideal adjunct to secure the airway during difficult airway management as an alternative technique to mask ventilation and tracheal intubation.

Securing the airway is one of the major aspects for a successful resuscitation. In the current guidelines of the European Resuscitation Council (ERC) and the American Heart Association (AHA) the Laryngeal Tube has been implemented as a reasonable alternative for securing the airway during cardiopulmonary resuscitation (CPR).

LT-D single lumen for single use, sterile

Material: PVC

- with syringe and biteblock



LTS-D dual lumen with drain tube for single use, sterile

Material: PVC

- with syringe and biteblock



Size	Patient	Weight / Height	Color code	LT-D Single Set	LT-D Set of 10	LTS-D Single Set	LTS-D Set of 10
0	Newborn	< 5 kg	transparent	REF 32-02-100-1	REF 32-02-000-1	—	—
1	Infant	5-12 kg	white	REF 32-02-101-1	REF 32-02-001-1	—	—
2	Child	12-25 kg	green	REF 32-02-102-1	REF 32-02-002-1	—	—
2.5	Child	125-150 cm	orange	REF 32-02-125-1	REF 32-02-025-1	—	—
3	Adult	< 155 cm	yellow	REF 32-02-103-1	REF 32-02-003-1	REF 32-06-103-1	REF 32-06-003-1
4	Adult	155-180 cm	red	REF 32-02-104-1	REF 32-02-004-1	REF 32-06-104-1	REF 32-06-004-1
5	Adult	> 180 cm	purple	REF 32-02-105-1	REF 32-02-005-1	REF 32-06-105-1	REF 32-06-005-1

Emergency Set

Patient	consisting of	LT-D	LTS-D
Child	# 0, 1, 2, 2.5, color coded syringe	REF 32-02-309-1	—
Adult	# 3, 4, 5, color coded syringe, biteblock	REF 32-02-209-1	REF 32-06-209-1

LT single lumen reusable

Material: Silicone

- with syringe and biteblock



LTS II dual lumen with drain tube reusable

Material: Silicone

- with syringe and biteblock



Size	Patient	Weight / Height	Color code	LT Single Set	LTS II Single Set
0	Newborn	< 5 kg	transparent	REF 32-01-000	REF 32-05-000
1	Infant	5-12 kg	white	REF 32-01-001	REF 32-05-001
2	Child	12-25 kg	green	REF 32-01-002	REF 32-05-002
2.5	Child	125-150 cm	orange	REF 32-01-025	REF 32-05-025
3	Adult	< 155 cm	yellow	REF 32-01-003	REF 32-05-003
4	Adult	155-180 cm	red	REF 32-01-004	REF 32-05-004
5	Adult	> 180 cm	purple	REF 32-01-005	REF 32-05-005

ACCESSORIES

Cuff Pressure Gauge "Universal"

Scale with two green ranges

- for tracheal tubes (22-32 cmH₂O)
- for Laryngeal Tubes and Laryngeal Masks (60-70 cmH₂O)

REF 54-07-000



Biteblock

with elastic necktape



Size	fits Laryngeal Tube	reusable	Box	for single use, sterile	Box
4	LT-D # 2, 2.5	—	—	REF 40-66-040-1	20
5	LT, LTS II # 2, 2.5	REF 40-76-050	10	—	—
6	LT, LT-D, LTS II, LTS-D # 3, 4, 5	REF 40-76-060	10	REF 40-66-060-1	20

Syringe

for single use, color coded

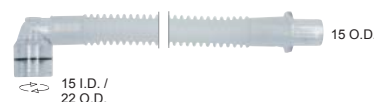
male Luer Lock



Size	for Laryngeal Tube	REF	Box
20 ml	# 0 - 1	54-04-111	10
60 ml	# 2 - 3	54-04-444	10
100 ml	# 4 - 5	54-04-555	10

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

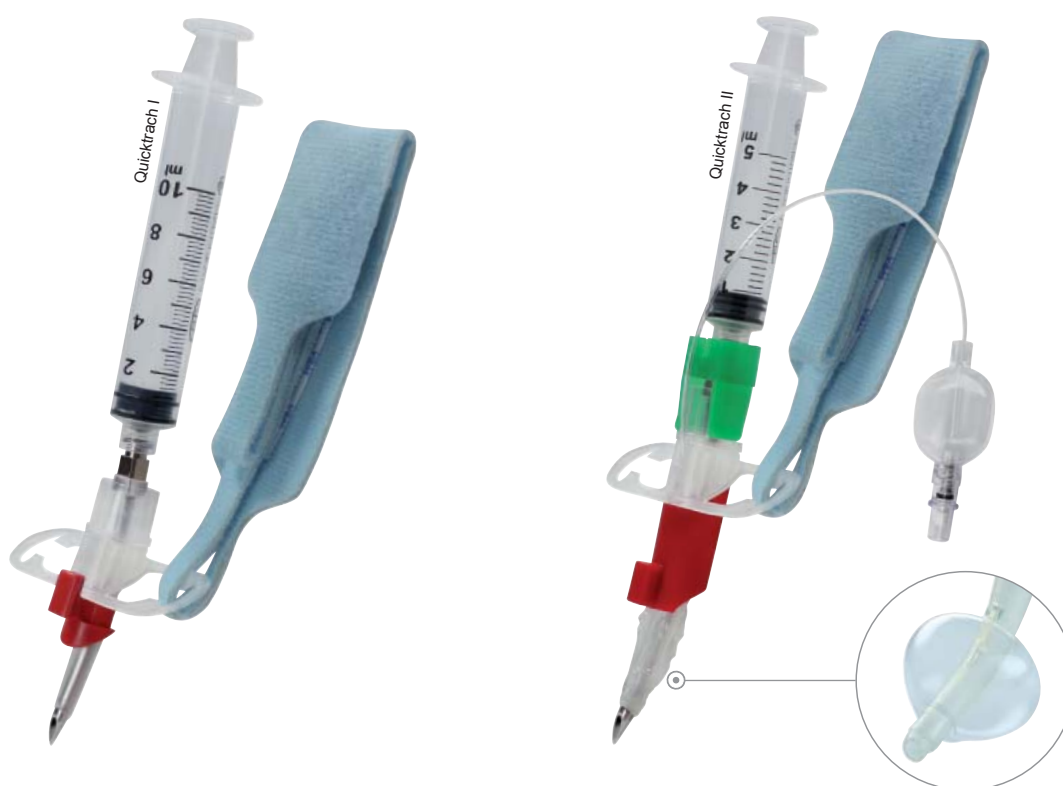
QUICKTRACH

Cricothyrotomy is an emergency procedure to avoid death from suffocation in case of upper airway obstruction if intubation or tracheotomy are impossible. VBM offers two Quicktrach-Sets with the following advantages:

- fast and safe airway in case of upper airway obstruction
- sterile sets are pre-assembled and immediately ready for use
- specially grinded needle tip makes prior incision via scalpel unnecessary and reduces the risk of bleeding
- stopper prevents needle from being inserted too deep to reduce the risk of posterior tracheal wall perforation
- fixation tape allows a fast and safe fixation
- quickest airway access via one-step procedure

Quicktrach II with Cuff

- thin cuff seals the trachea and allows efficient ventilation with aspiration protection
- stopper and safety clip reduce the risk of posterior tracheal wall perforation
- anatomically shaped cannula adjusts to the trachea due to "memory effect"



in blister packaging
for single use, sterile

Patient	I.D.	Quicktrach I	Quicktrach II with Cuff	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	REF 30-10-004-1	1



in plastic tube
for single use, sterile

- ideal for emergency bags (compact and robust)

Patient	I.D.	Quicktrach I	Quicktrach II with Cuff	Box
Child	2.0 mm	REF 30-04-902-1	—	1
Adult	4.0 mm	REF 30-04-904-1	REF 30-10-904-1	1



SURGICRIC I

Surgical Cricothyrotomy Kit used for emergency airway access in case of upper airway obstruction when conventional endotracheal intubation cannot be performed.

for single use, sterile

Cricothyrotomy in "Rapid Four-step Technique":

1. Palpation
2. Incision
3. Traction
4. Intubation

Components:

- Scalpel # 20
- Tracheal Hook
- 7.0 mm cuffed Tracheal Tube with moveable flange and inserted dilator
- 5 ml Syringe
- Necktape
- Extension Tubing



REF 30-08-007-1 Box 1

COOLING CAP

Mobile system for mild therapeutic hypothermia in prehospital EMS

Mild Hypothermia is neuroprotective and improves neurologic outcome after hypoxic brain injury. Active cooling leads to delayed cell death and decreases the cerebral metabolic rate for oxygen (ERC Guidelines for Resuscitation 2010).

- fast and simple placement without the need for expensive cooling equipment
- quickest possible head cooling during and after CPR
- allows cooling during patient transport
- one size for adult and child
- compact size - ideal storage in the refrigerator of the ambulance vehicle
- transparent design - bleedings at the head can be easily identified

Cooling Cap

for single use, made from transparent material with elastic strap for neck fixation

REF 34-50-001 Box 1



Hypothermia Kit

including thermo bag, cooling cap, shoulder / neck gel pad and two thermal packs

REF 34-50-209 Box 1

Shoulder / Neck Gel Pad

for single use, with fixation for attachment to the Cooling Cap

REF 34-50-111 Box 1



MANUJET III

The Manujet III with Jet Ventilation Catheters is recommended for emergency rooms, crash carts, ambulances and operating rooms as it guarantees a quick and efficient oxygenation of a patient.

The Manujet III is supplied in a complete kit with injector and catheters. The simple mechanical system is lightweight, portable and immediately ready for use.

Manujet III

with 4 m pressure hose and Jet Ventilation Catheters acc. to Ravussin (13 G, 14 G, 16 G) and 100 cm connecting tube

REF 30-01-003



JET VENTILATION CATHETERS ACC. TO RAVUSSIN

Allow a safe and atraumatic transtracheal access for oxygenation / ventilation with a manual jet (Manujet III) or an automatic High Frequency Jet Ventilator.

for single use, sterile

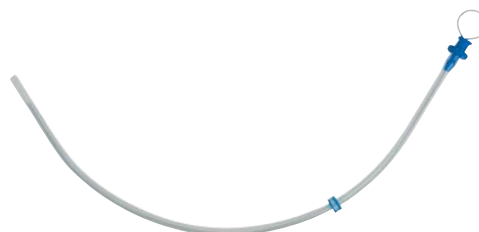
Size	Emergency Set with syringe	Box	Anesthesia Set without syringe	Box
16 G	REF 30-02-918-1	1	REF 30-02-018-1	5
14 G	REF 30-02-914-1	1	REF 30-02-014-1	5
13 G	REF 30-02-913-1	1	REF 30-02-013-1	5



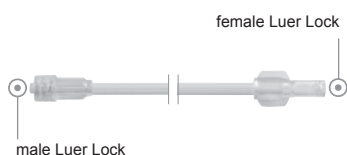
JET CATHETERS (ORAL), single lumen

for single use, sterile

Patient	Length	REF	Box
Baby and Child	25 cm	30-07-250-1	5
Adult	30 cm	30-07-300-1	5
Adult	40 cm	30-07-400-1	5



ACCESSORIES



Connecting Tube
Length: 100 cm

REF 54-05-111 Box 10

LARYNGOBLOC®

Fiber-optic Laryngoscope for single use

New Concept: "One-piece" blade and handle (Monoblock-Design)

for single use, Material: Polypropylene

Blade with Handle:

- torsion- and break proof due to "one-piece-design"
- resistant, comparable to metal blades
- no risk of contamination
- gentle to teeth
- non-sensitive to cold temperatures

Light Block with LED light source:

- extreme bright light
- constant light quality
- energy saving and long life time



Size	Description	standard handle	short handle	Box
0	Oxford	REF 36-40-000	REF 36-45-000	20
0	Miller	REF 36-30-000	REF 36-35-000	20
1	Miller	REF 36-30-001	REF 36-35-001	20
2	Macintosh	REF 36-20-002	REF 36-25-002	20
3	Macintosh	REF 36-20-003	REF 36-25-003 (Slim Design*)	20
4	Macintosh	REF 36-20-004	REF 36-25-004 (Slim Design*)	20

*Slim Design

thinner blade, especially for difficult intubation (obesity, pregnancy, reduced mouth opening)

Light Block

with LED light source (Battery-Type: LR6-1.5V-AA), reusable

Version	REF	Box
standard (with 2 batteries)	36-10-000	1
short (with 1 battery)	36-15-000	1



Emergency Set

consisting of Laryngobloc® with short handle

- 1 x Macintosh # 4
- 1 x Oxford # 0
- 1 x Light Block, short

REF 36-90-100	Box 1
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Standard Set

consisting of Laryngobloc® with standard handle

- 1 x Macintosh # 2, 3, 4
- 1 x Miller # 1
- 1 x Light Block, standard

REF 36-90-200	Box 1
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STYLETS, INTRODUCERS & TUBE EXCHANGERS

METTS

(Muallem ET Tube Stylet)

for difficult intubation

- core made of metal, malleable (maintains curvature)
- flexible pre-formed tip
- graduation marks
- for single use, sterile



METTI

(Muallem ET Tube Introducer)

for difficult intubation and tube exchange

- core made of plastic, semi-rigid (flexible)
- flexible, pre-formed tip
- graduation marks
- for single use, sterile



INTRODUCER

for difficult intubation

- lumen-design, O₂-Connector included
- rigid pre-formed tip
- graduation marks
- for single use, sterile



METTS

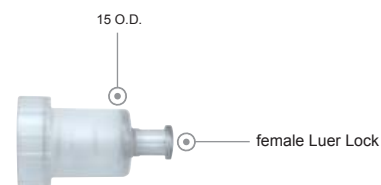
Size	Length	for ET Tube	REF	Box
8 CH	40 cm	≥ 3.5 mm	33-08-400-1	5
12 CH	65 cm	≥ 5.0 mm	33-12-650-1	5
14 CH	65 cm	≥ 6.0 mm	33-14-650-1	5

METTI

Size	Length	for ET Tube	REF	Box
12 CH	80 cm	≥ 5.0 mm	33-12-800-1	5
14 CH	80 cm	≥ 6.0 mm	33-14-800-1	5

Introducer

Size	Length	for ET Tube	REF	Box
15 CH	65 cm	≥ 6.0 mm	33-70-650-1	5



O₂-Connector

for oxygenation, fits all sizes with lumen-design (fits 11 CH, 14 CH, 15 CH, 19 CH), for single use

REF 33-60-005	Box 10
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INTUBATION CATHETER

for fiberoptically assisted intubation ($\leq 4,0$ mm)

- lumen-design, O₂-Connector included
- graduation marks
- for single use, sterile



TUBE EXCHANGER

for extubation and exchange of Endotracheal Tubes

- lumen-design, O₂-Connector included
- graduation marks
- for single use, sterile



STYLETS

malleable intubation stylet

- soft, atraumatic tip
- with and without moveable silicone connector
- reusable



Intubation Catheter

Size	Length	for ET Tube	for fiberoptic	REF	Box
19 CH	56 cm	≥ 7.0 mm	≤ 4.0 mm	33-60-560-1	5

Tube Exchanger

Size	Length	for ET Tube	REF	Box
11 CH	80 cm	≥ 4.0 mm	33-45-800-1	5
14 CH	80 cm	≥ 5.0 mm	33-46-800-1	5
19 CH	80 cm	≥ 7.0 mm	33-47-800-1	5

Stylet

Size	Length	for ET Tube	without silicone connector	Box	with moveable silicone connector (15 mm I.D.)	Box
small	34 cm	2.5 - 3.5 mm	REF 90-10-111	25	REF 90-10-001	10
medium	38 cm	4.0 - 4.5 mm	REF 90-10-222	25	REF 90-10-002	10
large	45 cm	5.0 - 6.5 mm	REF 90-10-333	25	REF 90-10-003	10
large	45 cm	7.0 - 11.0 mm	REF 90-10-444	25	REF 90-10-004	10

AIRWAY MANAGEMENT SIMULATOR "BOB"

- ET-Intubation
- Supraglottic Airways
- Mask Ventilation

"BOB"

complete with base and carrying bag

REF 30-30-000



AIRWAY MANAGEMENT SIMULATOR "BILL"

Hinge allows horizontal and vertical positioning

- ET Intubation
- Supraglottic Airways
- Mask Ventilation
- Cricothyrotomy
- Transtracheal Jet Ventilation
- Bronchoscopy (BILL II)

"BILL I"

complete with base, exchangeable skin, thyroid cartilage and carina with balloons (bayonet lock) and aluminium case

REF 30-19-000



"BILL II"

similar to "Bill I" but with bronchial tree acc. to Dr. Nakhosteen (bayonet lock)

REF 30-18-000

Bronchial Tree acc. to Dr. Nakhosteen

REF 30-19-400 Box 1



Thyroid Cartilage

REF 30-19-111 Box 1



Stomach

REF 30-19-300 Box 1



Skin

REF 30-19-222 Box 1



TRANSPARENT HEAD

cross section with upper airways

Standard Version
for demonstration and positioning of
Laryngeal Tube # 3, 4 and Quicktrach

REF 30-16-000



Extended Version
for demonstration of ET Tube with the aid of
Introducers, Stylets or Tube Exchangers

REF 30-16-200



FROVA CRICO-TRAINER

- Cricothyrotomy
- Transtracheal Jet Ventilation
- Percutaneous Tracheostomy

Crico-Trainer
complete with 10 skins

Patient	REF
Child	30-14-900
Adult (+ 10 tracheas)	30-14-000



Larynx



REF 30-14-111 Box 1

Trachea



REF 30-14-444 Box 10



Skin

Patient	REF	Box
Child	30-14-922	10
Adult	30-14-222	10

CRICO-TRAINER

with special holder for fixation of a pig trachea

Crico-Trainer
complete with 10 skins

REF 30-14-500



FACE MASKS (SILICONE)

reusable

Bi-Mask with silicone lip

Silicone mask with internal plastic shell (PSU)

Size	Patient	Connection	Color 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



Bi-Mask with inflatable cushion

Silicone mask with internal plastic shell (PSU)

Size	Patient	Connection	Color code	REF	Box
3	Adult, small	22 mm I.D.	yellow	35-75-223	1
4	Adult, medium	22 mm I.D.	red	35-75-224	1
5/6	Adult, large	22 mm I.D.	purple	35-75-225	1



Mask with plastic dome and inflatable cushion

Size	Patient	Connection	Color 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



Mask with plastic dome and silicone lip

Size	Patient	Connection	Color code	REF	Box
3	Adult, small	22 mm I.D.	yellow	80-11-003	10
4	Adult, medium	22 mm I.D.	red	80-11-004	10
5	Adult, large	22 mm I.D.	purple	80-11-005	10



Rendell Baker Masks

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	22 mm I.D.	35-60-003	10



Pediatric masks, 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)

for single use

Mask with inflatable cushion

Size	Patient	Color code	Connection	REF	Box
1	Newborn	—	15 mm O.D.	35-40-201	10
2	Infant	—	15 mm O.D.	35-40-202	10
3	Child	yellow	22 mm I.D.	35-40-203	10
4	Adult, small	red	22 mm I.D.	35-40-204	10
5	Adult, medium	purple	22 mm I.D.	35-40-205	10
6	Adult, extra large	blue	22 mm I.D.	35-40-206	10



ACCESSORIES

Hook ring, Ø 33 mm
fits masks with plastic dome,
reusable, Material: Metal

REF 80-11-266 Box 10



Hook ring, Ø 30-33 mm
fits Bi-Masks,
reusable, Material: PSU

REF 35-60-266 Box 10



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



ENDOSCOPY MASK

Allows simultaneous ventilation and endoscopy of the patient to increase patient comfort and the working quality of the doctor.

Application:

- Fiberoptic Intubation
The ET Tube can be railroaded orally or nasally along the bronchoscope through the flexible membrane.
After intubation the membrane is pushed inside which allows easy removal of the mask.
- Bronchoscopy
The membrane guarantees an ideal seal and therefore an efficient ventilation before, during and after bronchoscopy without time pressure.
- Gastroenterology
- Trans Esophageal Echocardiography

for single use, Material: PVC

Size	Patient	Membrane	REF	Box
0	Newborn	2.0 mm	30-40-000	6
1	Infant	2.0 mm	30-40-111	6
3	Child	3.0 mm	30-40-333	6
3	Child	5.0 mm	30-40-335	6
5	Adult	5.0 mm	30-40-555	6
5	Adult	10.0 mm	30-40-777	6



ACCESSORIES

Bronchoscope Airway

with biteblock

single use, sterile, Material: EVA

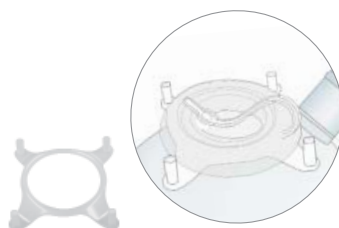
- protects expensive equipment from damage
- guides bronchoscope and ET Tube

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



Hook ring, Ø 32 mm
fits Endoscopy masks,
Material: PA

REF 30-40-266 Box 10



Membrane

for single use, Material: Silicone

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



Fixation tape

reusable, Material: Silicone

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



Fixation tape

for single use, Material: Velours / Cotton

for Mask	REF	Box
# 1	35-40-622	10
# 3, 5	35-40-633	10

RESCUEFIX

oral ET Tube fixation for emergencies
for single use

In emergency situations a quick and safe tube fixation is vital. The Rescuefix allows a fixation without the use of adhesives as the integrated clamp fixes the tube safely and quickly. The separable necktape is adjustable in length and therefore suitable for patients with stiff neck as well. The integrated biteblock protects from tube occlusion.

Patient	Color code	for ET Tube	REF	Box
Child	yellow	5.0 - 6.5 mm	40-9005-111	10
Adult	white	7.0 - 10.0 mm	40-9005-333	10



GUEDEL AIRWAY

oropharyngeal airway with ET Tube fixation possibility

- rail and lateral clamp design allow direct fixation of the ET Tube to the Guedel Airway
- hard biteblock but soft and atraumatic tube
- same lumen from proximal to distal end allows the use of largest possible suction catheters
- one side open with smooth inner surface facilitates suctioning and easy cleaning of the product



Size	Color code	Length	Guedel Airway reusable Material: PUR	Box	Guedel Airway for single use, sterile Material: EVA	Guedel Airway with elastic necktape for single use, sterile Material: EVA	Box
000	light blue	3.5 cm	REF 40-40-007	10	REF 40-20-007-1	REF 40-26-007-1	30
00	dark blue	5.0 cm	REF 40-40-008	10	REF 40-20-008-1	REF 40-26-008-1	30
0	black	6.0 cm	REF 40-40-009	10	REF 40-20-009-1	REF 40-26-009-1	30
1	white	7.0 cm	REF 40-40-010	10	REF 40-20-010-1	REF 40-26-010-1	30
2	green	8.5 cm	REF 40-40-020	10	REF 40-20-020-1	REF 40-26-020-1	30
3	yellow	9.0 cm	REF 40-40-030	10	REF 40-20-030-1	REF 40-26-030-1	30
4	red	10.0 cm	REF 40-40-040	10	REF 40-20-040-1	REF 40-26-040-1	30
5	purple	11.0 cm	REF 40-40-050	10	REF 40-20-050-1	REF 40-26-050-1	30

BITEBLOCK

oral fixation for ET Tube, Laryngeal Tube and Laryngeal Mask

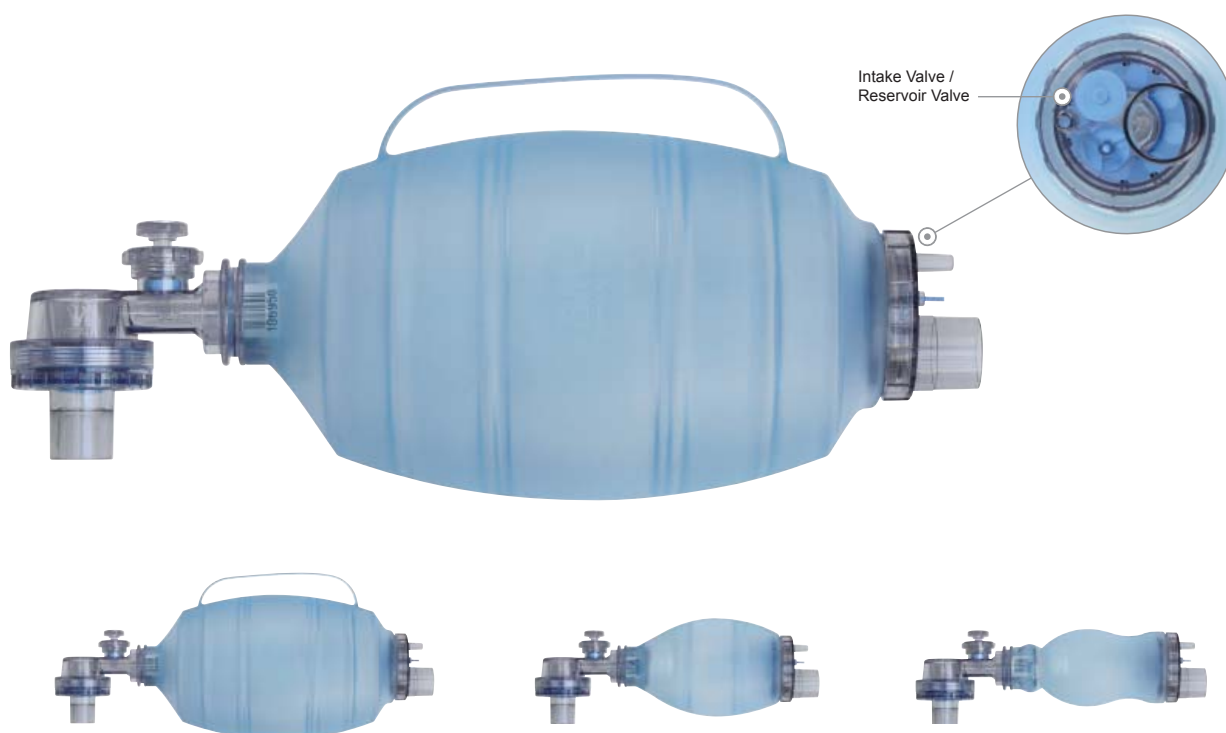
- tube clips into biteblock and is therefore protected from occlusion



Size	fits	Biteblock reusable Material: PUR	Box	Biteblock for single use, sterile Material: EVA	Box	Biteblock with elastic necktape for single use, sterile Material: EVA	Box
4	ET Tube 6.5 - 8.0 mm LT-D # 2, 2.5	REF 40-70-040	10	REF 40-60-040-1	25	REF 40-66-040-1	20
5	ET Tube 8.5 - 11.0 mm LT, LTS II # 2 + 2.5 Laryngeal Mask # 2 + 2.5	REF 40-70-050	10	REF 40-60-050-1	25	REF 40-66-050-1	20
6	LT, LT-D, LTS II, LTS-D # 3, 4, 5 Laryngeal Mask # 2 + 2.5	REF 40-70-060	10	REF 40-60-060-1	25	REF 40-66-060-1	20

SILICONE RESUSCITATION BAGS

Intake Valve includes Reservoir Valve, with barcode and serial number
reusable



Patient	40 cmH ₂ O pressure relief	20 cmH ₂ O pressure relief	without pressure relief	with manometer	with pressure proved manometer
Adult 2000 ml	REF 82-10-100	—	REF 82-10-101	—	—
Child 500 ml	REF 80-10-200	—	REF 80-10-201	REF 80-10-251	—
Infant 250 ml	REF 80-10-300	REF 80-10-306	REF 80-10-301	REF 80-10-351	REF 80-10-352

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-Adapter
reusable, Material: PSU

REF 80-13-003 Box 1



PEEP-Valve
reusable, Material: PSU

PEEP-Valve	Connection	Color	REF	Box
2.5 - 10 cmH ₂ O	22 mm O.D.	green	80-13-001	1
2.5 - 10 cmH ₂ O	30 mm I.D.	green	80-13-004	1
5 - 20 cmH ₂ O	22 mm O.D.	blue	80-13-005	1
5 - 20 cmH ₂ O	30 mm I.D.	blue	80-13-002	1



SILICONE RESUSCITATOR SETS

supplied in a rigid transparent carrying case

Adult

- Resuscitation Bag 2000 ml
- Mask with plastic dome and inflatable cushion # 5
- Reservoir Bag 2600 ml
- O₂-Tubing 200 cm

REF 82-10-190

Child

- Resuscitation Bag 500 ml
- Mask with plastic dome and inflatable cushion # 3
- Reservoir Bag 1800 ml
- O₂-Tubing 200 cm

REF 82-10-290

Infant

- Resuscitation Bag 250 ml
- Pediatric Mask, round # 1
- Reservoir Bag 600 ml
- O₂-Tubing 200 cm

REF 80-10-390



SILICONE RESPIRATION CASE

For a quick use in emergency situations. Case includes basic equipment like resuscitator, masks and Guedel airways. Ideal for hospitals, paramedics, dentists, industry, etc.

Adult

- Resuscitation Bag 2000 ml
- Mask with inflatable cushion # 3, 4, 5
- Guedel Airway # 3, 4, 5

REF 30-92-100

Child

- Resuscitation Bag 500 ml
- Pediatric Mask, round # 1
- Mask with inflatable cushion # 2, 3
- Guedel Airway # 0, 1, 2

REF 30-92-200



Infant

- Resuscitation Bag 250 ml
- Pediatric Masks, round # 0, 1
- Mask with inflatable cushion # 2
- Guedel Airway # 00, 0, 1

REF 30-92-300

Wall Fixation
for Respiration Case

REF 30-91-001



PVC RESUSCITATION BAGS

Non-Rebreathing Valve and Intake Valve can be disassembled for single use



Patient	40 cmH ₂ O pressure relief	without pressure relief
Adult 1800 ml	REF 85-10-100	REF 85-10-101
Child 500 ml	REF 85-10-200	REF 85-10-201
Infant 250 ml	REF 85-10-300	REF 85-10-301

PVC RESUSCITATOR SETS

supplied in a rigid transparent carrying case for single use

Adult

- Resuscitation Bag 1800 ml
- Mask with inflatable cushion # 5
- Reservoir Bag 2600 ml
- Reservoir Valve
- O₂-Tubing 200 cm

REF 85-10-190

Child

- Resuscitation Bag 500 ml
- Mask with inflatable cushion # 3
- Reservoir Bag 1800 ml
- Reservoir Valve
- O₂-Tubing 200 cm

REF 85-10-290

Infant

- Resuscitation Bag 250 ml
- Mask with inflatable cushion # 2
- Reservoir Bag 600 ml
- Reservoir Valve
- O₂-Tubing 200 cm

REF 85-10-390



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



Reservoir Valve for single use

REF 85-12-030 Box 10



PEEP-Valve for single use, Material: PC

PEEP-Valve	Connection	Color	REF	Box
2.5 - 10 cmH ₂ O	22 mm O.D.	green	85-13-001	1
2.5 - 10 cmH ₂ O	30 mm I.D.	green	85-13-004	1
5-20 cmH ₂ O	22 mm O.D.	blue	85-13-005	1
5-20 cmH ₂ O	30 mm I.D.	blue	85-13-002	1



PEEP-Adapter for single use

REF 85-13-003 Box 1



DISPO-RESUSCITATOR-KIT

Valves are glued to the Resuscitation Bag, therefore completely disposable for single use

consisting of:

- PVC-Resuscitation Bag (40 cmH₂O pressure relief)
- Face mask
- Reservoir Bag
- O₂-Tubing 200 cm
- PEEP-Adapter



Adult

consisting of Resuscitation Bag
1500 ml and face mask # 5

REF 84-10-195

Box = 6 kits



Child

consisting of Resuscitation Bag
550 ml and face mask # 3

REF 84-10-295

Box = 6 kits



Infant

consisting of Resuscitation Bag
280 ml and face mask # 1

REF 84-10-395

Box = 6 kits

MOUTH-TO-MOUTH RESUSCITATOR

for emergency during life saving mouth-to-mouth resuscitation
for single use, Material: PVC

- no mouth-to-mouth contact during CPR
- Non-Rebreathing Valve protects rescuer from contamination
- bacterial / viral filter protects from infections
- compact size



REF 80-61-000

Box 1

PRESSURE INFUSION CUFFS

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

Pressure Infusion Cuffs 500 ml

500 ml

Pocket design with hanger, reusable

Version	REF	Box
with hand inflator	51-05-050	1
with hand inflator and manometer	51-06-050	1
with hand inflator and pressure proved manometer	51-08-050	1



500 ml

VBM Infusor (transparent)

Wrap-Around design with hook, reusable

Version	REF	Box
with hand inflator, stop cock and color coded pressure indicator	57-02-050	1
with hand inflator, stop cock and manometer	57-06-050	1
with hand inflator, stop cock and pressure proved manometer	57-08-050	1



500 ml

Pocket design with hanger, for single use

Version	REF	Box
with female Luer Lock	56-01-050	5
with hand inflator, stop cock and color coded pressure indicator	56-02-050	5
with hand inflator and stop cock	56-03-050	5



Pressure Infusion Cuffs 1000 ml

1000 ml

Pocket design with zip, reusable

Version	REF	Box
with hand inflator	52-05-100	1
with hand inflator and manometer	52-06-100	1
with hand inflator and pressure proved manometer	52-08-100	1



1000 ml

Pocket design with hook, reusable

Version	REF	Box
with hand inflator	53-05-120	1
with hand inflator and manometer	53-06-120	1
with hand inflator and pressure proved manometer	53-08-120	1

**1000 ml**

Wrap-Around design with hook, reusable

Version	REF	Box
with hand inflator	53-05-100	1
with hand inflator and manometer	53-06-100	1
with hand inflator and pressure proved manometer	53-08-100	1

**1000 ml**

VBM Infusor (transparent)

Wrap-Around design with hook, reusable

Version	REF	Box
with hand inflator, stop cock and color coded pressure indicator	57-02-100	1
with hand inflator, stop cock and manometer	57-06-100	1
with hand inflator, stop cock and pressure proved manometer	57-08-100	1

**1000 ml**

Pocket design with hanger, for single use

Version	REF	Box
with female Luer Lock	56-01-100	5
with hand inflator, stop cock and color coded pressure indicator	56-02-100	5
with hand inflator and stop cock	56-03-100	5



PELVIC SLING

The Pelvic Sling helps to fix and stabilize fractures of the pelvis at the accident scene. Fractures of the pelvis are very painful and the bleeding resulting thereof might lead to a life-threatening condition for the patient.

Pelvic Sling
with manometer and hand inflator,
MRI-compatible, for single use

pelvis circumference	REF
80 - 120 cm	34-10-004
100 - 140 cm	34-10-005



Pelvic Sling
with manometer and hand inflator,
reusable

pelvis circumference	REF
90 - 130 cm	34-10-003



"TOURNY"

Tourniquets for blood sampling



Tourniquet „Tourny I“
with stainless steel buckle

REF 20-30-000 Box 20



Tourniquet „Tourny II“
with aluminium buckle

REF 20-32-000 Box 20



Tourniquet „Tourny III“
with plastic buckle

REF 20-30-100 Box 10



Tourniquet for Child
elastic strap with velcro fastening

REF 20-30-005 Box 10



Tourniquet Strap
elastic strap 40 cm,
25 pcs. perforated on one roll
for single use

REF 20-30-400 Box 1 roll

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
- always ready for use as independent from any energy source
- easy to squeeze with maximum performance
- fits easily in most bags
- disposable collection canisters for adult and children
- soft and atraumatic suction tips
- valve prevents backflow of liquids to the patient
- MRI proof
- 15 mm I.D. connection
 - allows connection of included suction tips
 - allows connection of included catheter adapter for funnel shape suction catheters

Set

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

Color	REF
blue	30-55-500
olive	30-55-501



ACCESSORIES

Suction Catheter for single use

Size	CH	REF	Box
small	14	30-57-305	10
medium	28	30-57-609	10
large	36	30-57-812	10



Suction Cap for single use

REF 30-56-001	Box 10
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Catheter Adapter for funnel shape suction catheters, for single use

REF 30-58-060	Box 10
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Canister with Cap for single use

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



Carry Bag fits pump, canisters and suction catheters

REF 30-64-000



MOBILE OXYGEN UNIT "OXYSAFETY"

"Oxysafety" Standard

- Silicone Resuscitation Bag 2000 ml
- Reservoir Bag 2600 ml
- Mask with plastic dome and silicone lip # 3, 5
- 2 l oxygen cylinder (empty)
- pressure reducer
- O₂-Tubing 200 cm
- accessory bag

REF 30-70-001



"Oxysafety"

- 2 l oxygen cylinder (empty)
- pressure reducer
- accessory bag

REF 30-70-000

Accessory Bag
for "Oxysafety"

REF 30-75-010



EMERGENCY BAG STANDARD

Emergency Bag Standard

- Silicone Resuscitation Bag 2000 ml
- Reservoir Bag 2600 ml
- Silicone Mask # 1, 2
- Mask with plastic dome and silicone lip # 3, 4, 5
- Guedel Airways # 1, 2, 3, 4, 5
- Manual suction pump
- 2 l oxygen cylinder (empty)
- pressure reducer
- O₂-Tubing 200 cm

REF 30-80-001

ditto, but without oxygen cylinder
and pressure reducer

REF 30-80-003

Emergency Bag
without accessories

REF 30-85-000



DIFFICULT AIRWAY BAG

Difficult Airway Bag LT-D

- Laryngeal Tube LT-D # 3, 4, 5
- color coded syringe
- Quicktrach I for adult
- Guedel Airway # 1 - 5

REF 30-65-001

Difficult Airway Bag LTS-D

- Laryngeal Tube LTS-D # 3, 4, 5
- color coded syringe
- Quicktrach I for adult
- Guedel Airway # 1 - 5

REF 30-65-002

Difficult Airway Bag
without accessories

REF 30-65-000



A

Airway Management Simulator "BILL"	12
Airway Management Simulator "BOB"	12

B

Biteblock	5, 17
Bronchoscope Airway	16

C

Catheter Mount Tubing	5
Cooling Cap	7
Crico-Trainer	13
Cuff Pressure Gauge "Monitor"	5

D

"Difficult Airway" Bag	26
Dispo-Resuscitator-Kit	21

E

Emergency Bag	26
Endoscopy Mask	16

F

Face Masks made of silicone / PVC	14-15
Fixation Tapes for Endoscopy Masks	16
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Frova Crico-Trainer	13

G

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L

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LT	5
LT-D	4
LTS II	5
LTS-D	4

M

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METTI	10
METTS	10
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O

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P

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