

ANESTHESIA & INTENSIVE CARE



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), the American Heart Association (AHA) and the American Society of Anesthesiologists (ASA) 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

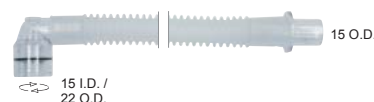
Size	for Laryngeal Tube	REF	Box
20 ml	# 0 - 1	54-04-111	10
60 ml	# 2 - 3	54-04-444	10
100 ml	# 4 - 5	54-04-555	10



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



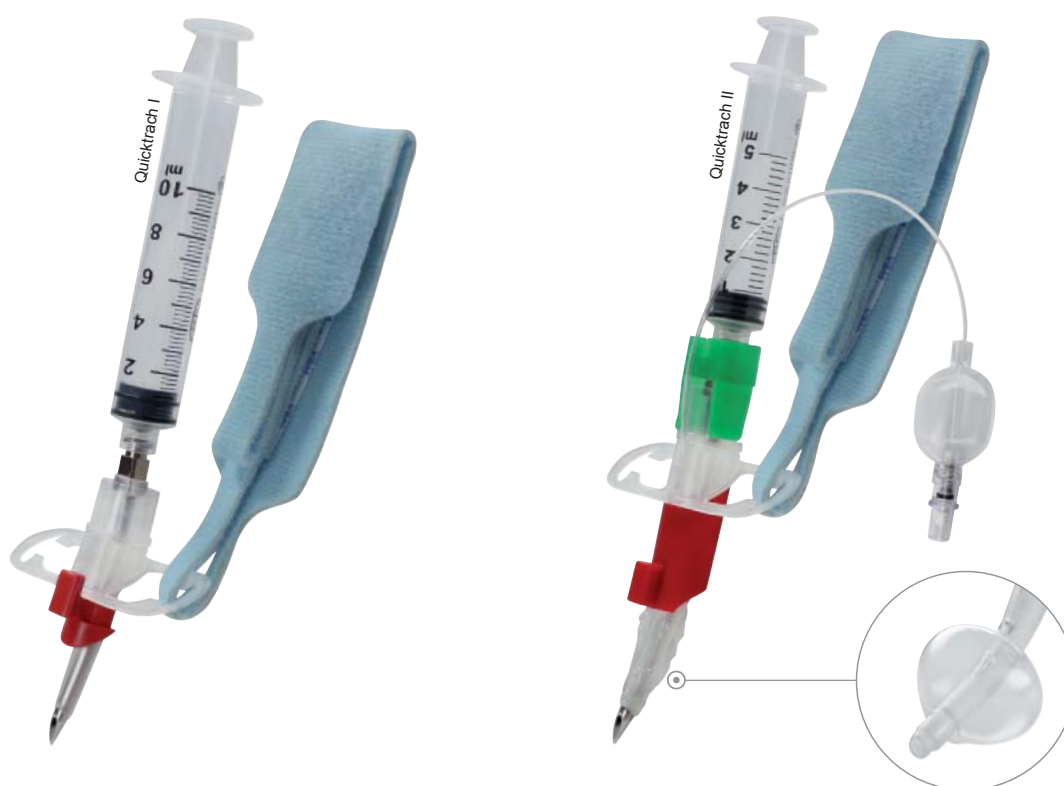
QUICKTRACH

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
- necktape 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 4 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

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, 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
16 G	REF 30-02-918-1	1
14 G	REF 30-02-914-1	1
13 G	REF 30-02-913-1	1

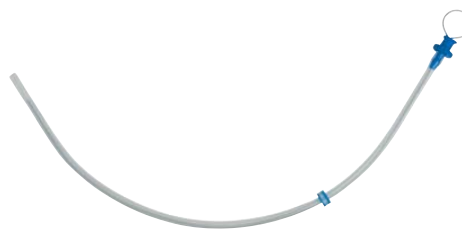
Anesthesia Set without syringe	Box
REF 30-02-018-1	5
REF 30-02-014-1	5
REF 30-02-013-1	5



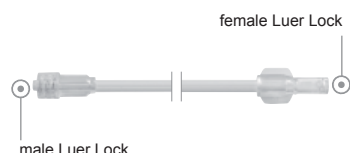
JET CATHETERS (ORAL), single lumen

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)

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	20
4	Macintosh	REF 36-20-004	REF 36-25-004	20

standard handle



short handle



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

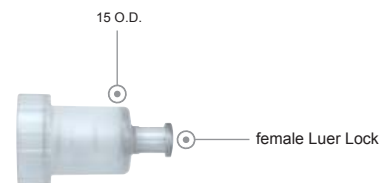
Size	Length	for ET Tube	REF	Box
8 CH	40 cm	≥ 3.5 mm	33-08-400-1	5
12 CH	65 cm	≥ 5.0 mm	33-12-650-1	5
14 CH	65 cm	≥ 6.0 mm	33-14-650-1	5

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
- autoclavable



Intubation-Catheter

Size	Length	for ET Tube	for Fiberoptik	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"

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



CUFF PRESSURE GAUGES

For inflation and pressure control on tracheal tubes with high volume, low pressure cuffs

Complete with connecting tube (100 cm)

New: with vacuum valve for evacuation of low pressure cuffs

Monitor

Ø 68 mm scale

REF 54-05-000



Universal

Ø 68 mm scale

Scale with two green ranges

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

REF 54-07-000



Pocket

Ø 50 mm scale

REF 54-04-000



Variable

Ø 50 mm scale

- with adjustable pointer
- Scale in cmH₂O and mmHg

especially for silicone ET Tubes with higher gas permeability

REF 54-06-000



Sensitive

Ø 50 mm scale

Version	REF
with hook	54-03-001
without hook	54-03-000



Pediatric

Ø 50 mm scale

Pressure range of 0-60 cmH₂O

REF 54-02-001



CUFF CONTROLLER

Automatic Cuff Pressure Gauge for tracheal tubes with high volume, low pressure cuffs

- Allows to seal with lowest pressures to reduce the risk of mucosal ischemia and pressure necrosis
- Set pressure is automatically maintained
- Compensates leaks (pressure drop > 1 cmH₂O) to reduce the risk of aspiration with the possibility of pneumonia
- Pressure increase due to the diffusion of anesthetic gases is released to the set value
- Alarm system in case of leaks or disconnection
- Auto-Set Function inflates cuff automatically to 25 cmH₂O (adult) / 10 cmH₂O (pediatric)
- Pressure changes through touch pads
- Large LCD Display is easy to read
- Battery back-up in case of power failure
- Pressure can be changed between cmH₂O and mmHg
- Universal Clamp for fixation to the standard rail



Cuff Controller
with battery, universal clamp and
connecting tube (200 cm)

Patient	REF
Adult pre-adjusted to 25 cm H ₂ O	55-13-500
Child pre-adjusted to 10 cm H ₂ O	55-13-501

ACCESSORIES

Connecting Tube

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



Connecting Tube with one-way valve

Length	REF	Box
200 cm	54-05-114	10



FACE MASKS (SILICONE)

autoclavable

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,
autoclavable, Material: Metall

REF 80-11-266 Box 10



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

REF 35-60-266 Box 10



Fixation tape
autoclavable, 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

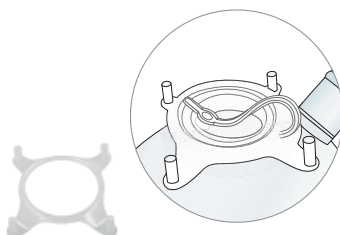
- protects expensive equipment from damage
- guides bronchoscope and ET Tube

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 for 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

autoclavable, 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

CPAP-MASK

for single use

CPAP-Respiration Sets

consisting of CPAP-Mask, Fixation tape, PEEP-Valve and Adapter for 22 mm tube connection

Size	PEEP-Valve	REF	Box
medium	2.5-10 cmH ₂ O	35-45-003	1
medium	5-20 cmH ₂ O	35-45-001	1
large	2.5-10 cmH ₂ O	35-45-004	1
large	5-20 cmH ₂ O	35-45-002	1



CPAP-Mask

consisting of CPAP-Mask and Adapter (REF 60-50-007)

Size	REF	Box
medium	35-40-100	5
large	35-40-000	5



Adapter, straight
for single use

REF 60-50-007	Box 10
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29 I.D. / 32 O.D.



PEEP-Valve

for single use, Material: PC

PEEP-Valve	Color	REF	Box
2.5-10 cmH ₂ O	green	85-13-004	1
5-20 cmH ₂ O	blue	85-13-002	1

PEEP-Valve

autoclavable, Material: PSU

PEEP-Valve	Color	REF	Box
2.5-10 cmH ₂ O	green	80-13-004	1
5-20 cmH ₂ O	blue	80-13-002	1



GASTRO-LARYNGEAL TUBE (G-LT)

Extraglottic tube with ventilation- and endoscopy lumen for control of airway patency during gastrointestinal endoscopic procedures.

The G-LT is designed for obtaining and maintaining control of airway patency during medium to long-term complex gastrointestinal endoscopic procedures performed on adults under deep sedation or general anesthesia while maintaining spontaneous or assisted ventilation.

- Diagnostic ERC (Endoscopic Retrograde Cholangiography)
- Diagnostic and therapeutic ERCP (Endoscopic Retrograde Cholangiopancreatography) for pancreatic and biliary disease:
 - Brush cytology and biopsy
 - Endosonographic gastrointestinal diagnosis
 - Removal of bile and pancreatic duct stones
 - Papillotomy or duodenal ampulla dilation
 - Treatment of biliary strictures (endoprosthesis, stent placement)
 - Palliation of malignancy: obstructive jaundice (drainage decompression)
- Enteroscopy
- Percutaneous Endoscopic Gastrostomy (PEG), particularly in neurologic patients.

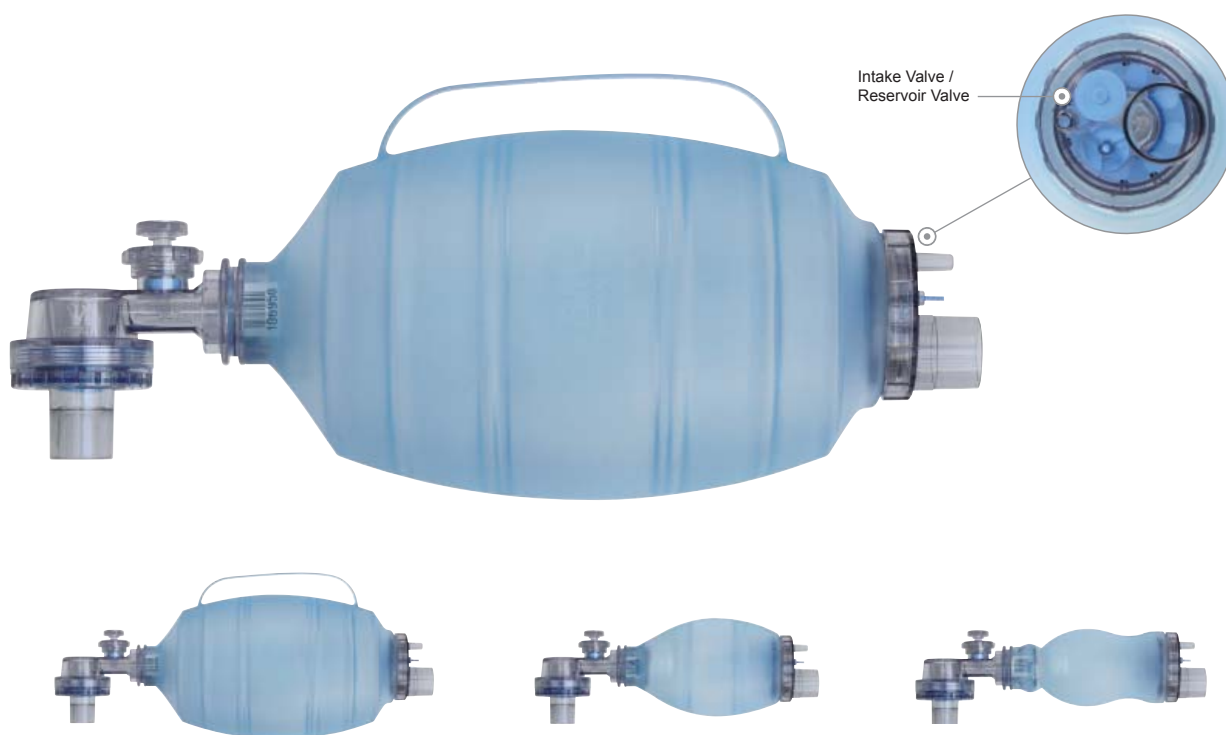
autoclavable, Material: Silicone

Patient	Size	Color code	REF	Box
Adult	≥ 155 cm	blue	32-90-004	1



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 autoclavable, Material: PSU

REF 80-13-003	Box 1
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PEEP-Valve autoclavable, 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



22 O.D.

30 I.D.

SILICONE RESUSCITATOR SETS

supplied in a rigid transparent carrying case

Adult

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

REF 82-10-190

Child

- Resuscitation Bag 500 ml
- Mask with 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) with 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

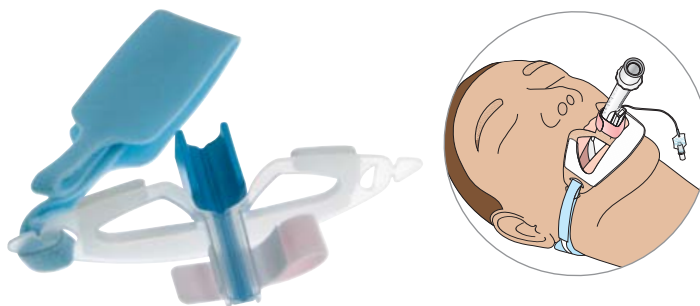


REF 80-61-000

Box 1

ENDOFIX ORAL II

oral ET Tube fixation for Anesthesia and Intensive Care
for single use



Patient	Color code	for ET Tube	with foam necktape	with elastic necktape	Box
Child	yellow	4.5 - 6.5 mm	REF 40-9005-010	REF 40-9006-010	10
Adult	white	6.5 - 8,5 mm	REF 40-9005-030	REF 40-9006-030	10
Adult, large	blue	8.5 - 10.0 mm	REF 40-9005-040	REF 40-9006-040	10
Adult, extra large	purple	10.0 - 11.0 mm	REF 40-9005-050	REF 40-9006-050	10

Foam Cushion
for single use

Packaging	REF	Box
sterile	40-8111-1	30
clean	40-8222	40



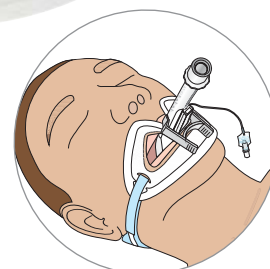
RESCUEFIX

oral 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.



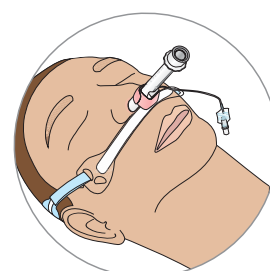
Patient	Color code	for ET Tube	REF	Box
Child	yellow	5.0 - 6.5 mm	40-9005-111	10
Adult	white	7.0 - 10.0 mm	40-9005-333	10



ENDOFIX NASAL

nasal ET Tube fixation for Intensive Care
for single use

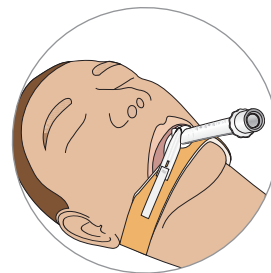
Version	REF	Box
with foam necktape	40-4005	25
with elastic necktape	40-4006	25



ENDOTAPE

oral / nasal ET Tube fixation
for single use

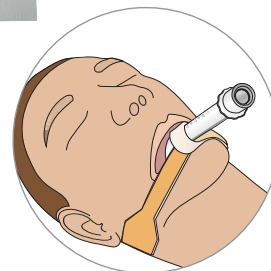
Patient	Length	REF	Box
Child and Adult	54 cm (21")	40-8018-044	10



TUBE HOLDER

oral / nasal ET Tube fixation
for single use

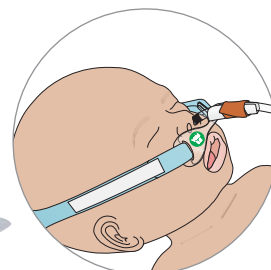
Patient	Length	REF	Box
Child and Adult	54 cm (21")	40-8010-033	10
Adult	65 cm (26")	40-8010-044	10



BABY ENDOFIX

oral / nasal ET Tube fixation for babies
for single use

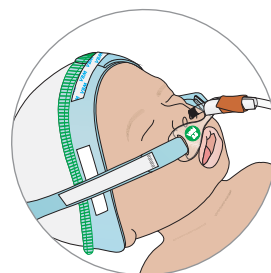
for ET Tube	Color code	REF	Box
2.0 mm	transparent	40-1005-020	25
2.5 mm	yellow	40-1005-025	25
3.0 mm	red	40-1005-030	25
3.5 mm	green	40-1005-035	25
4.0 mm	blue	40-1005-040	25



BABY-CAP

for comfortable fixation of tubes and catheters
for single use, Material: 100% Cotton

- with individual and variable fixation possibility (oral / nasal) for tubes and catheters
- head size adjustable additionally (± 2 cm), also covers intermediate sizes
- simple and quick access to the head
- color code for identification of different sizes
- as option with Endofix for safe fixation of ET Tube



Size	Color code	Head Size	Cap, alone	Cap with Endofix	for ET Tube	Box
0	white	19 - 22 cm	REF 40-1900-000	REF 40-1905-000	2.0 mm	5
1	orange	23 - 28 cm	REF 40-1900-001	REF 40-1905-001	2.5 mm	5
2	yellow	28 - 32 cm	REF 40-1900-002	REF 40-1905-002	2.5 mm	5
3	red	33 - 38 cm	REF 40-1900-003	REF 40-1905-003	3.0 mm	5
4	green	38 - 43 cm	REF 40-1900-004	REF 40-1905-004	3.5 mm	5
5	blue	43 - 50 cm	REF 40-1900-005	REF 40-1905-005	4.0 mm	5

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

autoclavable, Material: PUR

Size	Color code	Length	Guedel Airway	Box
000	light blue	3.5 cm	REF 40-40-007	10
00	dark blue	5.0 cm	REF 40-40-008	10
0	black	6.0 cm	REF 40-40-009	10
1	white	7.0 cm	REF 40-40-010	10
2	green	8.5 cm	REF 40-40-020	10
3	yellow	9.0 cm	REF 40-40-030	10
4	red	10.0 cm	REF 40-40-040	10
5	purple	11.0 cm	REF 40-40-050	10



for single use, sterile
Material: EVA

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

BITEBLOCK

oral Tube fixations for ET Tube, Laryngeal Tube and Laryngeal Mask

- tube clips into biteblock and is therefore protected from occlusion



autoclavable, Material: PUR

Size	fits for	Biteblock	Box
4	ET Tube 6.5-8.0 mm	REF 40-70-040	10
5	ET Tube 8.5-11.0 mm	REF 40-70-050	10
6	Laryngeal Tube # 2 + 2.5 Laryngeal Mask # 2 + 2.5	REF 40-70-060	10
	Laryngeal Tube # 3, 4, 5 Laryngeal Mask # 3, 4, 5		

for single use, sterile
Material: EVA

Biteblock	Box	Biteblock with elastic necktape	Box
REF 40-60-040-1	25	REF 40-66-040-1	20
REF 40-60-050-1	25	REF 40-66-050-1	20
REF 40-60-060-1	25	REF 40-66-060-1	20

TRACHEOSTOMY NECKTAPES

Tube fixations for tracheostomized patients
for single use

with velcro fastener

Material: velours coated Foam, Color: blue

Patient	Length	REF	Box
Infant / Child	355 mm (14")	40-0005-011	10
Child / Adult	470 mm (19")	40-0005-033	10
Adult, extra large	520 mm (21")	40-0005-044	10



with velcro fastener

Material: cotton coated Foam, Color: skin colored

Patient	Length	REF	Box
Infant / Child	340 mm (13")	40-0008-011	10
Child / Adult	490 mm (20")	40-0008-033	10
Adult, extra large	590 mm (23")	40-0008-044	10



separable with velcro fastener

Material: cotton coated Foam, Color: skin colored

Patient	Length	REF	Box
Child / Adult	400 mm (16")	40-0066-033	10



separable with hook fastener

Material: cotton coated Foam, Color: skin colored

Patient	Length	REF	Box
Child / Adult	350 mm (14")	40-0099-033	10



TRACHEOSTOMY DRESSING

for single use, sterile

- breathable, acts as a second skin
- absorbs moisture
- avoids pressure sores
- approved as wound dressing

Size: 9.0 x 9.0 cm

REF 603207	Box 10
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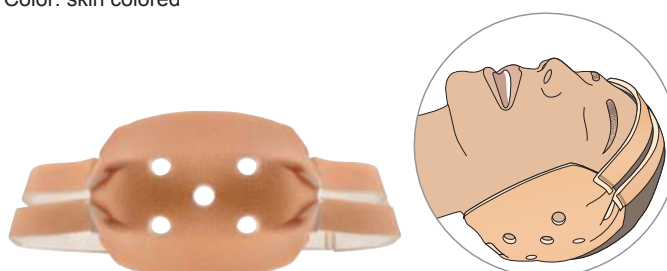
"EAR DRESS"

for use after ear operations

for single use, Material: cotton coated Foam with velcro fastening, Color: skin colored

- avoids pressure sores
- comfortable to wear
- protects safely the wound area

Patient	REF	Box
Child / Adult	40-7000	5

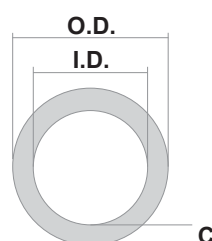


SILICONE TUBINGS, smooth

autoclavable, Color: transparent

I.D. (mm)	x	C	O.D. (mm)	REF	Box
0.5	x	0.4	1.3	68-005-04	25 m
1.0	x	0.5	2.0	68-010-05	25 m
1.0	x	1.0	3.0	68-010-10	25 m
1.5	x	0.75	3.0	68-015-075	25 m
2.0	x	1.0	4.0	68-020-10	25 m
3.0	x	1.0	5.0	68-030-10	25 m
3.0	x	1.5	6.0	68-030-15	25 m
4.0	x	1.0	6.0	68-040-10	25 m
4.0	x	1.5	7.0	68-040-15	25 m
4.0	x	2.0	8.0	68-040-20	25 m
5.0	x	1.0	7.0	68-050-10	25 m
5.0	x	1.5	8.0	68-050-15	25 m
5.0	x	2.0	9.0	68-050-20	25 m
6.0	x	1.0	8.0	68-060-10	25 m
6.0	x	1.5	9.0	68-060-15	25 m
6.0	x	2.0	10.0	68-060-20	25 m
6.0	x	3.0	12.0	68-060-30	25 m
7.0	x	1.5	10.0	68-070-15	25 m
7.0	x	2.0	11.0	68-070-20	25 m
7.0	x	3.0	13.0	68-070-30	25 m
8.0	x	2.0	12.0	68-080-20	25 m
8.0	x	3.0	14.0	68-080-30	25 m
9.0	x	2.0	13.0	68-090-20	25 m
10.0	x	2.0	14.0	68-100-20	25 m
10.0	x	3.0	16.0	68-100-30	25 m
12.0	x	3.0	18.0	68-120-30	25 m
12.0	x	4.0	20.0	68-120-40	25 m
14.0	x	3.0	20.0	68-140-30	25 m
15.0	x	3.0	21.0	68-150-30	25 m
16.0	x	3.0	22.0	68-160-30	25 m
18.0	x	3.0	24.0	68-180-30	25 m
20.0	x	2.0	24.0	68-200-20	25 m
20.0	x	3.0	26.0	68-200-30	25 m
25.0	x	2.0	29.0	68-250-20	25 m

Further sizes are available on request.



CONNECTION PIECES

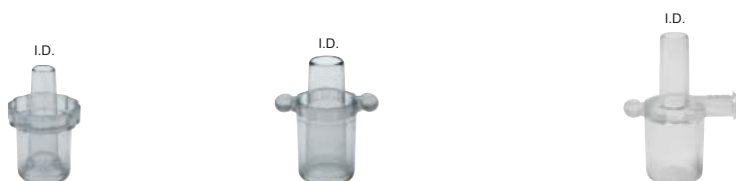
for endobronchial double lumen tubes (Carlens Tubes)
autoclavable

Version	REF	Box
with tube clamps	60-80-200	5
without tube clamps	60-80-201	5



15 MM ENDO-ADAPTER

autoclavable

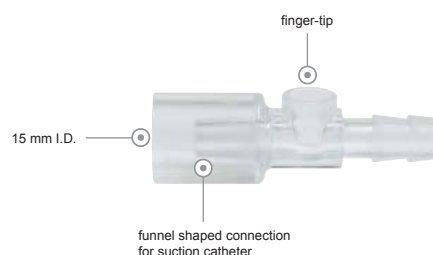


I.D. (mm)	Adapter Material: PSU	Adapter with wings Material: PSU	Adapter with Luer Lock sideport for pressure and gas measuring sterile, Material: PMP	Box
2.0	REF 44-2535-020	—	REF 44-3500-020-1	10
2.5	REF 44-2535-025	—	REF 44-3500-025-1	10
3.0	REF 44-2535-030	—	REF 44-3500-030-1	10
3.5	REF 44-2535-035	—	REF 44-3500-035-1	10
4.0	REF 44-2535-040	—	REF 44-3500-040-1	10
5.0	REF 44-2535-050	—	REF 44-3500-050-1	10
6.0	REF 44-2535-060	REF 44-2555-060	REF 44-3500-060-1	10
7.0	REF 44-2535-070	REF 44-2555-070	REF 44-3500-070-1	10
8.0	REF 44-2535-080	REF 44-2555-080	REF 44-3500-080-1	10
9.0	REF 44-2535-090	REF 44-2555-090	REF 44-3500-090-1	10
10.0	REF 44-2535-100	REF 44-2555-100	REF 44-3500-100-1	10

MECONIUM ASPIRATOR

for single use, Material: PC

- 15 mm I.D. connection allows direct connection to the ET Tube for tracheal suctioning of aspirated meconium
- funnel shaped connection of a standard suction catheter for suctioning of meconium in mouth and pharynx
- fits for tubing 7-9 mm I.D.



REF 49-30-000 Box 10

CONNECTORS, straight

autoclavable, Material: PSU



REF 60-30-002 Box 10



REF 60-30-003 Box 10



REF 60-30-005 Box 10



REF 60-30-006 Box 10



REF 60-40-002 Box 10



REF 60-40-003 Box 10



REF 60-40-005 Box 10



REF 60-40-006 Box 10

CONNECTORS, straight

autoclavable, Material: PSU



REF 60-12-110 Box 10



REF 60-12-300 Box 10



REF 60-12-400 Box 10



REF 60-50-002 Box 10



REF 60-12-501 Box 10



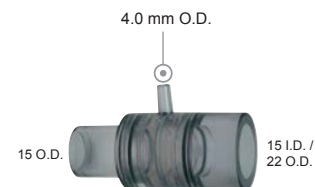
REF 60-50-005 Box 10



REF 60-50-003 Box 10



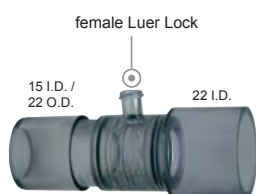
REF 60-12-601 Box 10



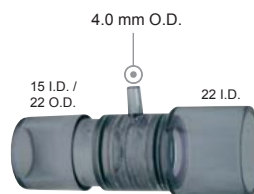
REF 60-12-602 Box 10



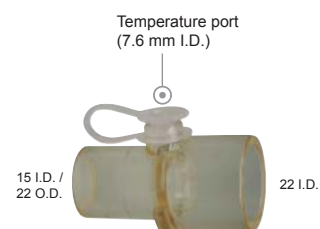
REF 60-12-200 Box 10



REF 60-12-201 Box 10



REF 60-12-202 Box 10



REF 60-12-203 Box 10

CONNECTOR, straight

autoclavable, Material: Aluminium



for O₂-Tubing

REF 60-71-002 Box 10

CONNECTORS WITH ONE-WAY-VALVE, straight

autoclavable, Material: PSU



REF 60-12-277 Box 1

REF 60-12-278 Box 1

SWIVEL CONNECTORS, straight

autoclavable, Material: PSU



REF 60-60-003 Box 10

REF 60-70-004 Box 10

CONNECTORS, right angled

autoclavable, Material: PSU



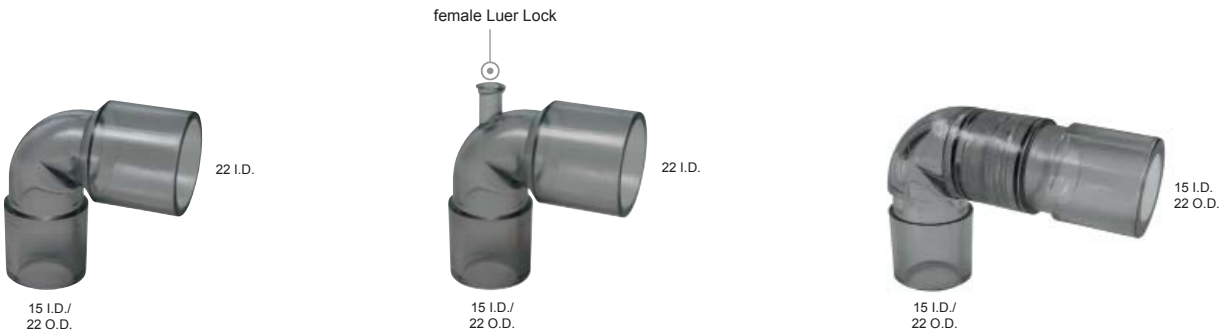
REF 60-65-002 Box 10

REF 60-65-004 Box 10

REF 60-65-005 Box 10

ELBOWS

autoclavable, Material: PSU



REF 60-12-000 Box 10

REF 60-12-001 Box 10

REF 60-12-006 Box 10

SWIVEL CONNECTORS, right angled

autoclavable, Material: PSU



REF 60-60-002 Box 10



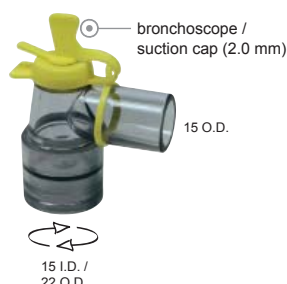
REF 60-60-004 Box 10



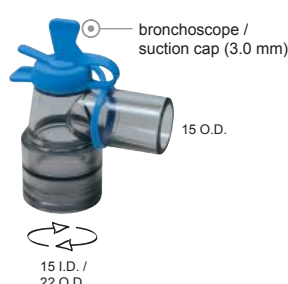
REF 60-60-010 Box 10



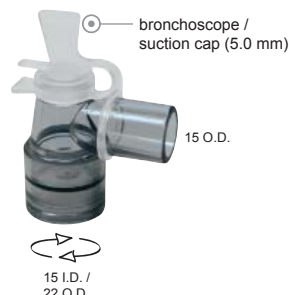
REF 60-60-006 Box 10



REF 60-60-305 Box 10



REF 60-60-205 Box 10



REF 60-60-005 Box 10

BROSU

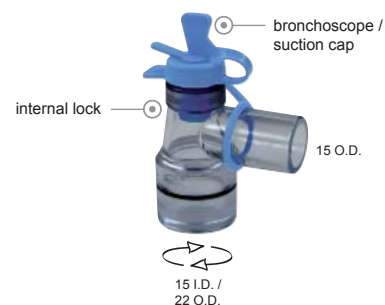
Connector with lock for safe bronchoscopy and suctioning without leaks

Once the cap is opened, the internal lock guarantees system tightness.

- anesthetic gases cannot escape
- no loss of pressure (PEEP)
- minimum risk of contamination during suctioning (alternative to sterile suction systems)
- ideal seal during and after bronchoscopy

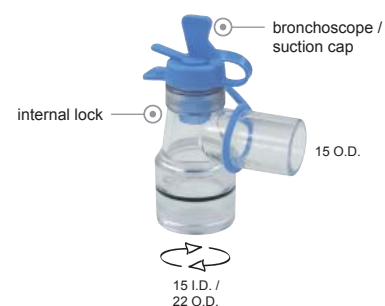
autoclavable, Material: PSU

Size (port)	Color code	fits for		REF	Box
		Suction Catheter	Bronchoscope		
2.0 mm	yellow	6 + 8 CH	≥ 2.0 mm O.D.	60-60-370	10
3.0 mm	blue	10, 12, 14, 16 CH	≥ 3.0 mm O.D.	60-60-270	10
5.0 mm	transparent	18 CH	≥ 5.0 mm O.D.	60-60-070	10



for single use, sterile, Material: PC

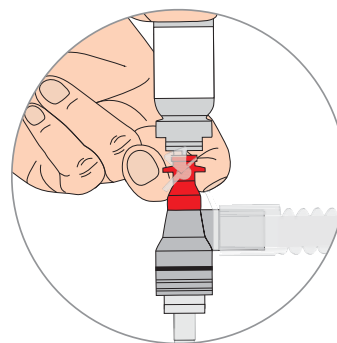
Size (port)	Color code	fits for		REF	Box
		Suction Catheter	Bronchoscope		
2.0 mm	yellow	6 + 8 CH	≥ 2.0 mm O.D.	60-60-361-1	10
3.0 mm	blue	10, 12, 14, 16 CH	≥ 3.0 mm O.D.	60-60-261-1	10
5.0 mm	transparent	18 CH	≥ 5.0 mm O.D.	60-60-061-1	10



TUBE INHALER

for application of MDI canisters on intubated patients
autoclavable, Material: PSU

- compatible with any MDI canister
- spray application during inspiration
- easy to use
- no interruption of ventilation
- suction port (max. 16 CH)



for MDI canisters with dose counter and standard MDI canisters

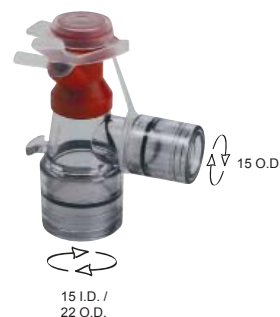
REF 60-67-009 Box 10



REF 60-65-009 Box 10



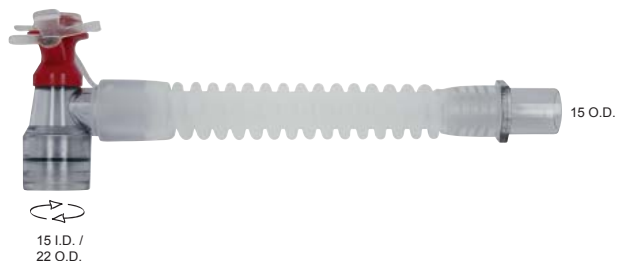
REF 60-60-009 Box 10



REF 60-60-209 Box 10

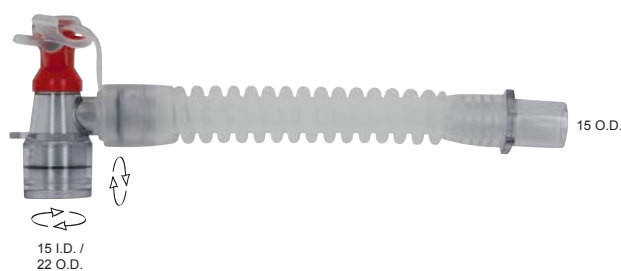
TUBE INHALER-CONNECTING TUBE

autoclavable, Material: Silicone (Connecting Tubing), PSU (Connector)



Length: 13 cm

REF 65-10-009 Box 10



Length: 13 cm

REF 65-15-209 Box 10

TUBE INHALER, straight

autoclavable, Material: PSU



REF 60-67-110 Box 10



REF 60-67-200 Box 10

T-CONNECTORS

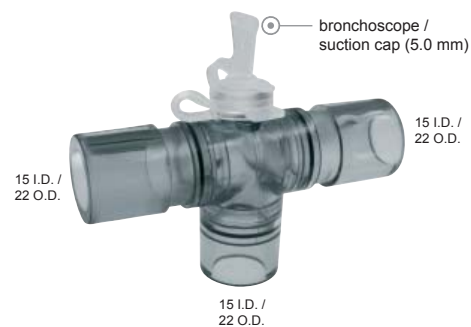
autoclavable, Material: PSU



REF 60-11-500 Box 10



REF 60-11-503 Box 10



REF 60-11-510 Box 10

Y-CONNECTORS, straight

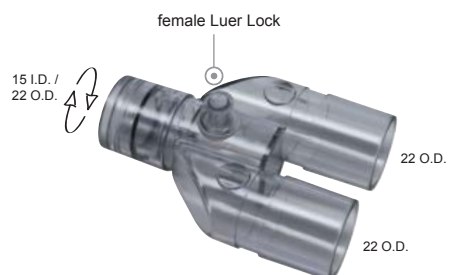
autoclavable, Material: PSU



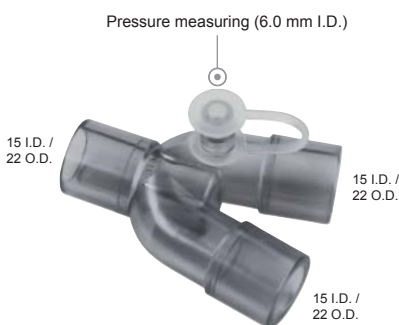
REF 60-11-200 Box 10



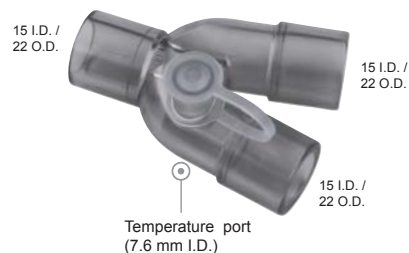
REF 60-10-100 Box 10



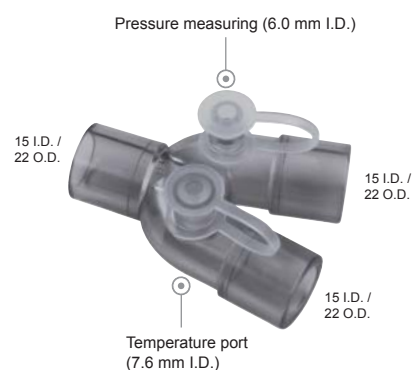
REF 60-10-101 Box 10



REF 60-11-202 Box 10



REF 60-11-203 Box 10



REF 60-11-204 Box 10

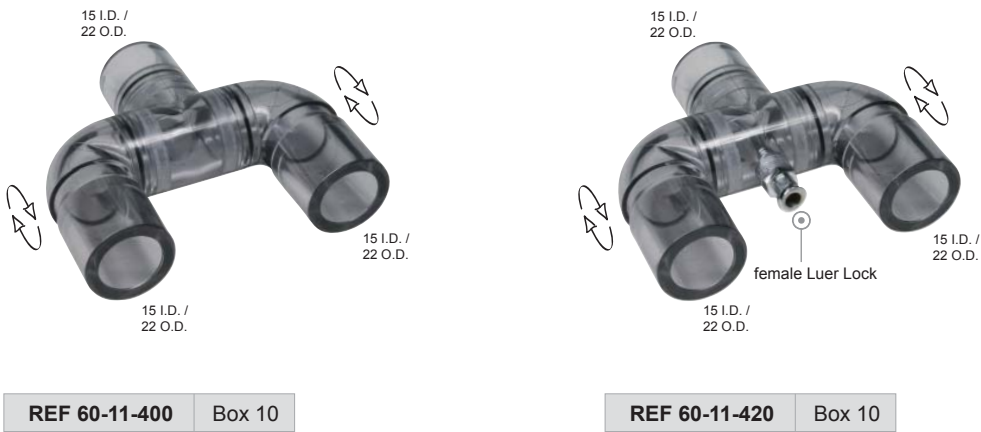
Y-CONNECTORS, right angled

autoclavable, Material: PSU



Y-CONNECTORS with adjustable connections

autoclavable, Material: PSU



CONNECTING TUBINGS, for CO₂ and pressure measuring

for single use

1.5 mm I.D. / 2.5 mm O.D.
Material: PVC / EVA / PE (3-layer technology)

Length	REF	Box
150 cm	61-99-150	10
200 cm	61-99-200	10
300 cm	61-99-300	10



1.5 mm I.D. / 3.0 mm O.D.
Material: PUR

Length	REF	Box
200 cm	61-95-200	10
300 cm	61-95-300	10



CONNECTOR-SET

autoclavable, Material: PSU

consisting of:

- 11 x Endo-Adapter (REF 44-2535-020 – 44-2535-100)
- 2 x Swivel Connector, right angled (REF 60-60-010, 60-65-004)
- 11 x Connector, straight (REF 60-30-002, 60-30-003, 60-30-005, 60-40-002, 60-40-003, 60-40-005, 60-50-002, 60-50-003, 60-50-005, 60-12-110, 60-12-200)
- Connector, right angled (REF 60-12-000)
- Uncoupling Wedge (REF 60-60-999)

REF 60-91-001



CATHETER MOUNT TUBINGS

autoclavable, Material: Silicone (Connecting Tubing), PSU (Connector)

Length: 13 cm	Length: 20 cm	Box
REF 65-00-130	REF 65-00-200	10



Length: 16 cm	Length: 23 cm	Box
REF 65-00-160	REF 64-00-230	10



Length: 13 cm	Length: 20 cm	Box
REF 65-50-130	REF 65-50-200	10



Length: 13 cm	Length: 20 cm	Box
REF 65-55-130	REF 65-55-200	10



Length: 16 cm	Length: 23 cm	Box
REF 65-55-160	REF 64-55-230	10



Length: 13 cm	Length: 20 cm	Box
REF 65-52-130	REF 65-52-200	10



Length: 13 cm	Length: 20 cm	Box
REF 65-57-130	REF 65-57-200	10



Length: 16 cm	Length: 23 cm	Box
REF 65-57-160	REF 64-57-230	10



CATHETER MOUNT TUBINGS

autoclavable, Material: Silicone (Connecting Tubing), PSU (Connector)

Length: 13 cm	Length: 20 cm	Box
REF 65-60-130	REF 65-60-200	10

Length: 13 cm	Length: 20 cm	Box
REF 65-80-130	REF 65-80-200	10

Length: 16 cm	Length: 23 cm	Box
REF 65-80-160	REF 64-80-230	10

Length: 13 cm	Length: 20 cm	Box
REF 65-65-130	REF 65-65-200	10

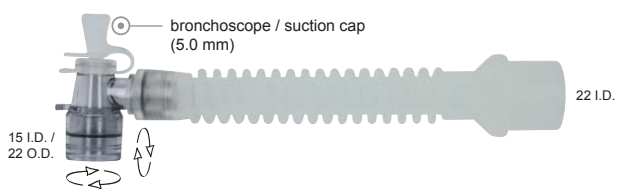
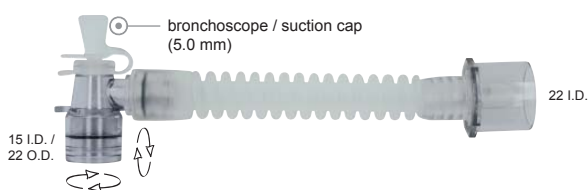
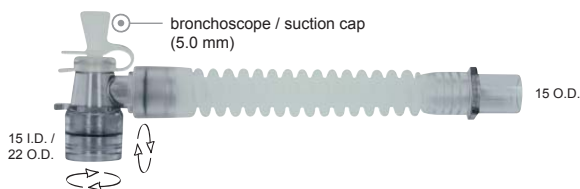
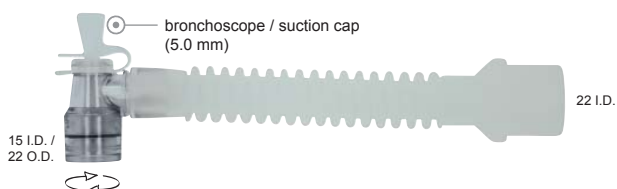
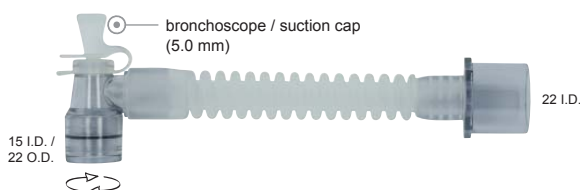
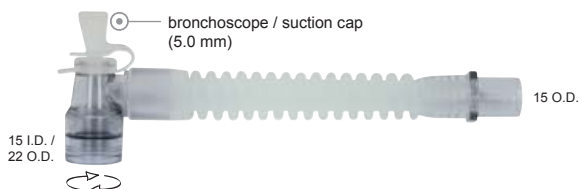
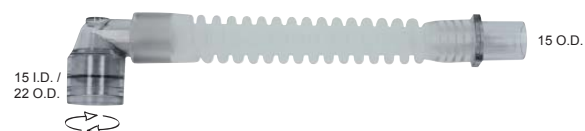
Length: 13 cm	Length: 20 cm	Box
REF 65-85-130	REF 65-85-200	10

Length: 16 cm	Length: 23 cm	Box
REF 65-85-160	REF 64-85-230	10

Length: 13 cm	Length: 20 cm	Box
REF 65-68-130	REF 65-68-200	10

Length: 13 cm	Length: 20 cm	Box
REF 65-88-130	REF 65-88-200	10

Length: 16 cm	Length: 23 cm	Box
REF 65-88-160	REF 64-88-230	10



CATHETER MOUNT TUBINGS

for single use, sterile (only in the length: 15 cm)
Material: PE (Connecting Tube), PC (Connector)

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-50-150-1	25	REF 60-50-300	REF 60-50-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-55-150-1	25	REF 60-55-300	—	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-52-150-1	25	REF 60-52-300	REF 60-52-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-57-150-1	25	REF 60-57-300	REF 60-57-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-60-150-1	25	REF 60-60-300	REF 60-60-450	10

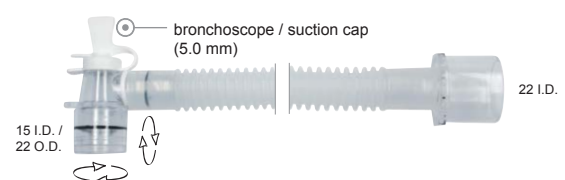
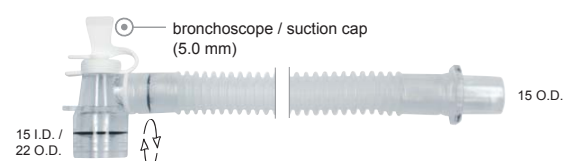
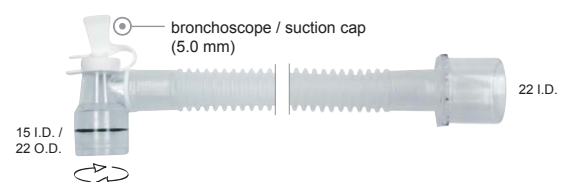
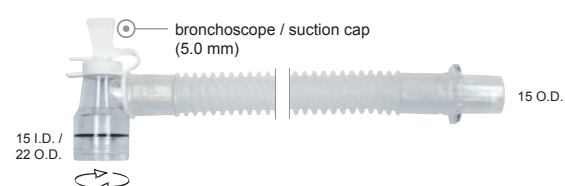
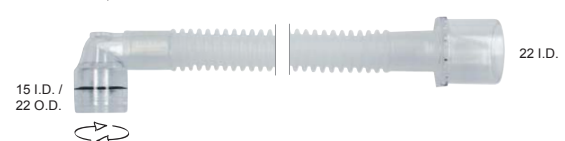
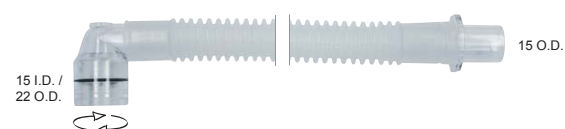
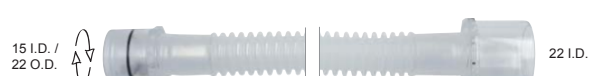
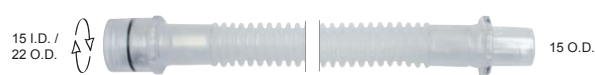
Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-80-150-1	25	REF 60-80-300	REF 60-80-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-65-150-1	25	REF 60-65-300	REF 60-65-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-85-150-1	25	REF 60-85-300	REF 60-85-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-68-150-1	25	REF 60-68-300	REF 60-68-450	10

Length: 15 cm	Box	Length: 30 cm	Length: 45 cm	Box
REF 60-88-150-1	25	REF 60-88-300	REF 60-88-450	10



CONNECTORS, straight

for single use, Material: PC



22 I.D. 15 O.D.

REF 60-50-222 Box 10



15 I.D. / 22 O.D. 15 O.D.

REF 60-50-333 Box 10



15 O.D. 15 O.D.

REF 60-50-555 Box 10



15 I.D. / 22 O.D. 15 O.D.

REF 60-60-333-1 Box 10

SWIVEL CONNECTORS, right angled

for single use, sterile
Material: PC



15 O.D.

15 I.D. / 22 O.D.

REF 60-60-222-1 Box 10



bronchoscope / suction cap (5.0 mm)

15 O.D.

15 I.D. / 22 O.D.

REF 60-60-555-1 Box 10



bronchoscope / suction cap (5.0 mm)

15 O.D.

15 I.D. / 22 O.D.

REF 60-60-111-1 Box 10

ELBOWS

for single use, Material: PC



22 I.D.

15 I.D. / 22 O.D.

REF 60-13-000 Box 10



female Luer Lock

22 I.D.

15 I.D. / 22 O.D.

REF 60-13-001 Box 10

UNCOUPLING WEDGE

autoclavable, Material: PA

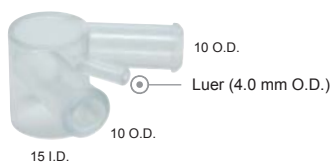
REF 60-60-999 Box 10



22 mm 15 mm

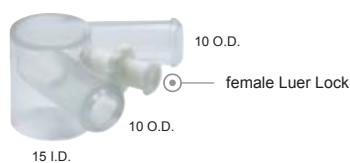
PEDIATRIC Y-CONNECTORS, right angled (ultra light version)

autoclavable, Material: PMP



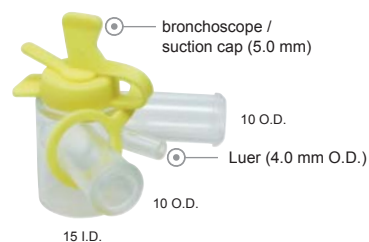
REF 60-20-300

Box 10



REF 60-20-301

Box 10

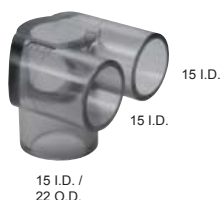


REF 60-20-400

Box 10

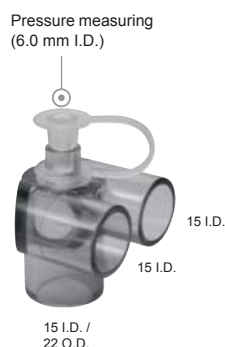
PEDIATRIC Y-CONNECTORS, right angled

autoclavable, Material: PSU



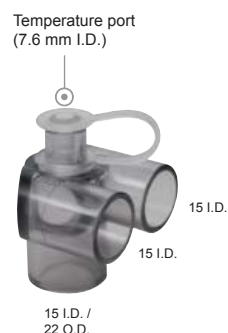
REF 60-20-600

Box 10



REF 60-20-602

Box 10



REF 60-20-603

Box 10

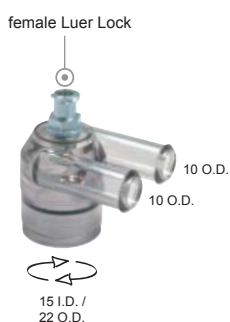
PEDIATRIC Y-CONNECTORS, right angled

autoclavable, Material: PSU



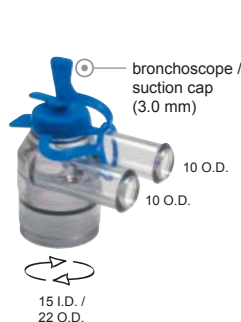
REF 60-20-100

Box 10



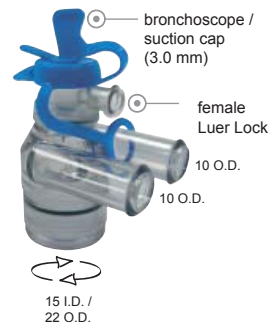
REF 60-20-101

Box 10



REF 60-20-200

Box 10



REF 60-20-201

Box 10

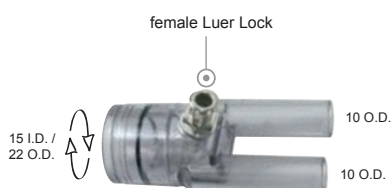
PEDIATRIC Y-CONNECTORS, straight

autoclavable, Material: PSU



REF 60-20-500

Box 10

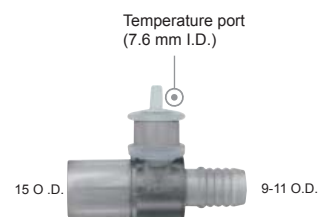


REF 60-20-501

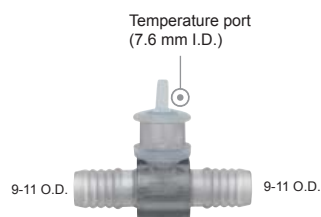
Box 10

PEDIATRIC CONNECTORS, straight

autoclavable, Material: PSU



REF 60-20-703 Box 10



REF 60-20-713 Box 10

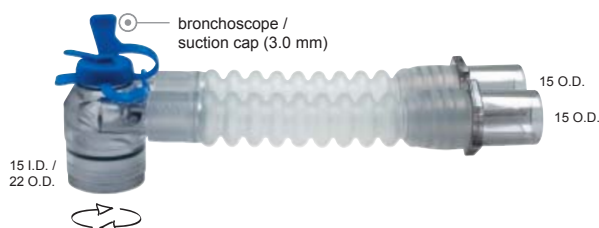
Y-CONNECTING PIECES FOR PEDIATRIC

autoclavable, Material: Silicone (Connecting Piece), PSU (Connector)

REF 65-20-100 Box 10



REF 65-20-200 Box 10



CATHETER MOUNT TUBINGS FOR PEDIATRIC

autoclavable, Material: Silicone



Length: 9.0 cm

REF 65-00-090 Box 10



Length: 10.5 cm

REF 65-00-105 Box 10

ANESTHETIC SYSTEM FOR PEDIATRIC

autoclavable

consisting of:

- 2 x 9.0 mm Silicone Respiration Tubing
- 9.0 mm Silicone Respiration Tubing
- Pediatric Y-Connector, right angled
- Silicone Rebreathing Bag 500 ml
- Connector, straight

REF 66-11-110
REF 66-12-110
REF 60-20-100
REF 66-00-011
REF 60-12-110

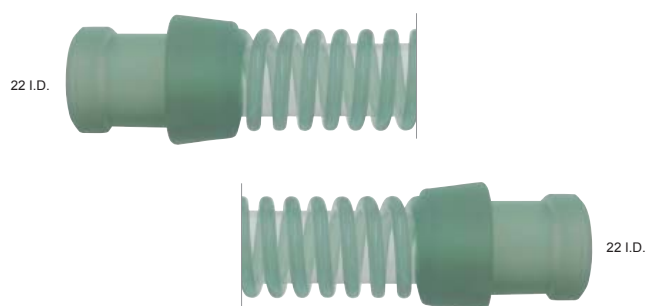
REF 62-11-200 Box 1



19 MM RESPIRATION TUBINGS FOR ADULTS

autoclavable, Material: Silicone

Length	Color: green	Color: transparent	Box
30 cm	REF 66-22-030	REF 66-22-030tr	1
40 cm	REF 66-22-040	REF 66-22-040tr	1
60 cm	REF 66-22-060	REF 66-22-060tr	1
80 cm	REF 66-22-080	REF 66-22-080tr	1
90 cm	REF 66-22-090	REF 66-22-090tr	1
110 cm	REF 66-22-110	REF 66-22-110tr	1
130 cm	REF 66-22-130	REF 66-22-130tr	1
150 cm	REF 66-22-150	REF 66-22-150tr	1
180 cm	REF 66-22-180	REF 66-22-180tr	1
200 cm	REF 66-22-200	REF 66-22-200tr	1

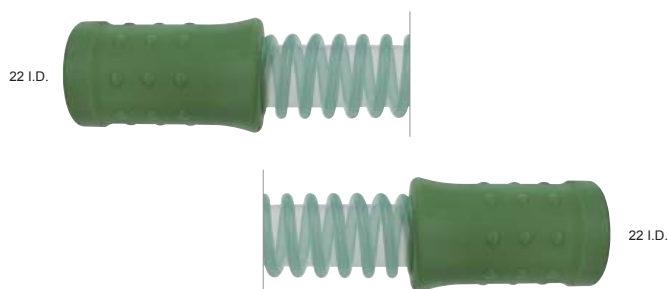


16 MM "LIGHTWEIGHT TUBINGS" FOR ADULTS

autoclavable, Material: Silicone, Color: green

- light weight due to smaller tube and thinner coil
- high stability
- longer lasting than autoclavable plastic tubings

Length	REF	Box
30 cm	69-16-030	1
45 cm	69-16-045	1
60 cm	69-16-060	1
90 cm	69-16-090	1
110 cm	69-16-110	1
130 cm	69-16-130	1
150 cm	69-16-150	1
180 cm	69-16-180	1
200 cm	69-16-200	1



ACCESSORIES

autoclavable

Hook

for 9 mm / 19 mm
Respiration Tubings
Material: Silicone

REF 66-00-002 Box 5



Connector, straight

to connect and extend
Respiration Tubings with
22 mm cuffs, Material: POM

REF 60-15-110 Box 1

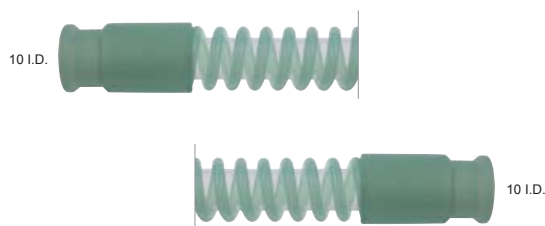


9 MM RESPIRATION TUBINGS FOR PEDIATRICS

autoclavable, Material: Silicone, Color: green

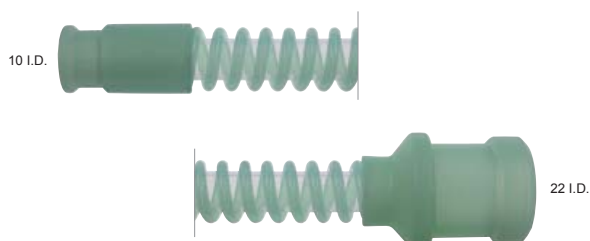
10 mm Cuffs

Length	REF	Box
25 cm	66-10-025	1
45 cm	66-10-045	1
60 cm	66-10-060	1
85 cm	66-10-085	1
110 cm	66-10-110	1
130 cm	66-10-130	1
150 cm	66-10-150	1
200 cm	66-10-200	1



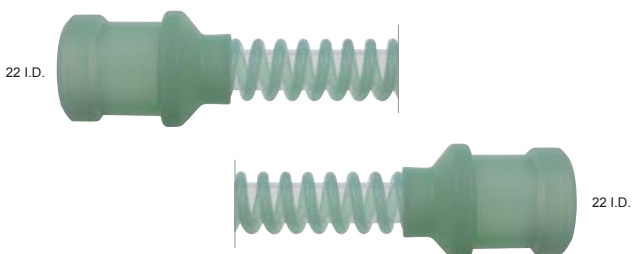
10 mm / 22 mm Cuffs

Length	REF	Box
25 cm	66-11-025	1
45 cm	66-11-045	1
60 cm	66-11-060	1
85 cm	66-11-085	1
110 cm	66-11-110	1
130 cm	66-11-130	1
150 cm	66-11-150	1
170 cm	66-11-170	1
200 cm	66-11-200	1



22 mm Cuffs

Length	REF	Box
25 cm	66-12-025	1
60 cm	66-12-060	1
85 cm	66-12-085	1
110 cm	66-12-110	1
130 cm	66-12-130	1
150 cm	66-12-150	1
170 cm	66-12-170	1
200 cm	66-12-200	1

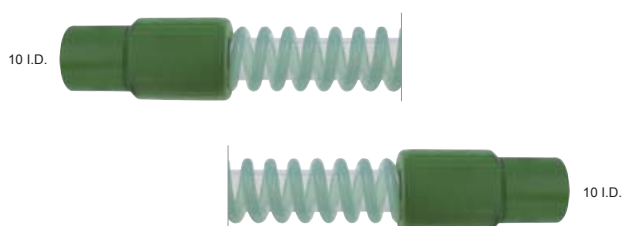


9 MM "LIGHTWEIGHT TUBINGS" FOR PEDIATRICS

autoclavable, Material: Silicone, Color: green

- light weight due to smaller tube and thinner coil
- high stability
- longer lasting than autoclavable plastic tubings

Length	REF	Box
25 cm	69-10-025	1
45 cm	69-10-045	1
60 cm	69-10-060	1
90 cm	69-10-090	1
110 cm	69-10-110	1
130 cm	69-10-130	1
150 cm	69-10-150	1
170 cm	69-10-170	1
200 cm	69-10-200	1



REBREATHING BAGS

with 22 mm cuff and loop

autoclavable, Material: Silicone, Color: transparent

Standard

Size	REF	Box
500 ml	66-00-011	1
1000 ml	66-00-015	1
1500 ml	66-00-012	1
2300 ml	66-00-013	1
3000 ml	66-00-014	1



with open tube connection and cap

Size	REF	Box
500 ml	66-00-041	1
1000 ml	66-00-045	1
1500 ml	66-00-042	1
2300 ml	66-00-043	1
3000 ml	66-00-044	1



with 5 mm hole

Size	REF	Box
500 ml	66-00-441	1
1000 ml	66-00-445	1
1500 ml	66-00-442	1
2300 ml	66-00-443	1
3000 ml	66-00-444	1



WATER TRAPS

with 55 ml canister

autoclavable, Material: PSU



REF 66-40-500

Box 6



REF 66-40-520

Box 6



REF 66-40-510

Box 6



Respirator Water Trap

REF 66-40-511

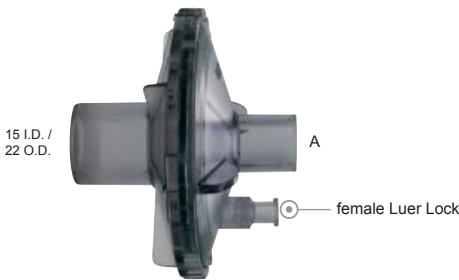
Box 6

FILTERS / HEAT AND MOISTURE EXCHANGERS

autoclavable, Material: PSU

Bacterial- / Viral Filter

Version	A	REF	Box
without Luer Lock	15 O.D.	61-20-100	10
with female Luer Lock	15 O.D.	61-20-150	10
without Luer Lock	22 I.D.	61-20-200	10
with female Luer Lock	22 I.D.	61-20-250	10



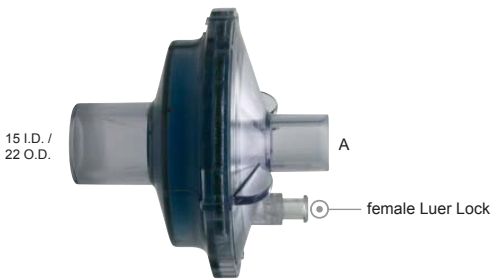
Spare Membranes for Bacterial- / Viral Filter

Packaging	REF	Box
sterile	61-21-100-1	40
clean	61-21-100	100



Heat and Moisture Exchanger (HME)

Version	A	REF	Box
without Luer Lock	15 O.D.	61-20-500	10
with female Luer Lock	15 O.D.	61-20-550	10
without Luer Lock	22 I.D.	61-20-600	10
with female Luer Lock	22 I.D.	61-20-650	10



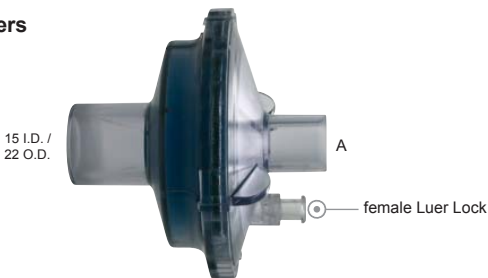
Spare Membranes for HME
sterile

REF 61-21-500-1	Box 50
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Heat and Moisture Exchangers (HME) with Bacterial- / Viral Filters

Version	A	REF	Box
without Luer Lock	15 O.D.	61-20-300	10
with female Luer Lock	15 O.D.	61-20-350	10
without Luer Lock	22 I.D.	61-20-400	10
with female Luer Lock	22 I.D.	61-20-450	10



Spare Membranes for HME with
Bacterial- / Viral Filter
sterile

REF 61-21-300-1	Box 50
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JACKSON REES SYSTEMS FOR PEDIATRIC

autoclavable

Jackson Rees System I

consisting of:

- Silicone Rebreathing Bag 500 ml with open tube connection REF 66-00-141
- Connector, straight 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Catheter Mount Tubing REF 64-00-230
- Ayres T-Piece REF 67-20-005
- Swivel Connector, right angled REF 60-60-002
- Connector, straight 22 mm I.D. REF 60-30-002
- O₂-Silicone Tubing (Length: 180 cm) REF 68-070-20

REF 67-12-000



dito,

but Silicone Rebreathing Bag 500 ml with 5 mm hole (REF 66-00-441)

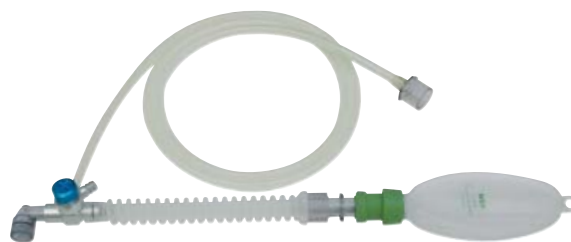
REF 67-11-000

Jackson Rees System II

consisting of:

- Silicone Rebreathing Bag 500 ml REF 66-00-011
- Connector, straight 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Catheter Mount Tubing REF 64-00-230
- Jackson Rees Expiratory Valve REF 67-10-002
- Swivel Connector, right angled REF 60-60-002
- Connector, straight 22 mm I.D. REF 60-30-002
- O₂-Silicone Tubing (Length: 180 cm) REF 68-070-20

REF 67-12-100



Jackson Rees System III

consisting of:

- Silicone Rebreathing Bag 500 ml REF 66-00-011
- Connector, straight 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Jackson Rees Expiratory Valve REF 67-10-222
- Connector, straight 22 mm O.D. to 22 mm O.D. REF 60-40-005
- Catheter Mount Tubing REF 65-00-200
- Ayres T-Piece REF 67-20-005
- Swivel Connector, right angled REF 60-60-002
- Connector, straight 22 mm I.D. REF 60-30-002
- O₂-Silicone Tubing (Length: 180 cm) REF 68-070-20

REF 67-12-200



Jackson Rees System IV

consisting of:

- Silicone Rebreathing Bag 500 ml REF 66-00-011
- Connector, straight 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Jackson Rees Expiratory Valve REF 67-10-002
- Swivel Connector, right angled REF 60-60-002
- Connector, straight 22 mm I.D. REF 60-30-002
- O₂-Silicone Tubing (Length: 180 cm) REF 68-070-20

REF 67-12-300



BREATHING SYSTEMS FOR ADULTS

autoclavable

Waters / Mapleson C

consisting of:

- Silicone Rebreathing Bag 2300 ml
- Waters Valve with O₂-Connection
- Swivel Connector, right angled
- Connector, straight 22 mm I.D.
- O₂-Silicone Tubing (Length: 180 cm)

REF 66-00-013
REF 67-10-003
REF 60-60-002
REF 60-30-002
REF 68-070-20

REF 67-12-500



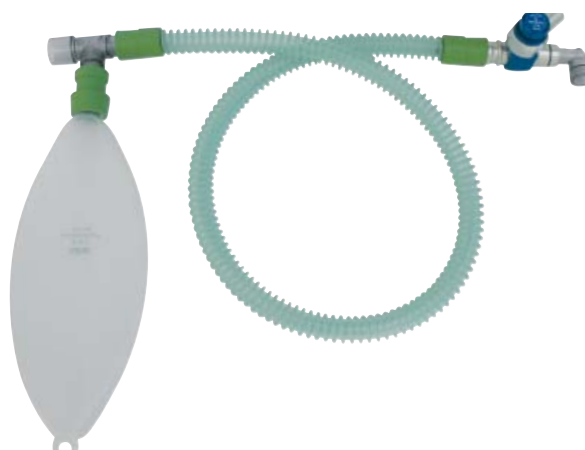
Magill / Mapleson A

consisting of:

- Silicone Rebreathing Bag 2300 ml
- Magill Valve without O₂-Connection
- Swivel Connector, right angled
- T-Connector 22 mm I.D.
- 16 mm Silicone Respiration Tubing (Length: 180 cm)

REF 66-00-013
REF 67-10-333
REF 60-60-002
REF 60-11-533
REF 69-16-180

REF 67-12-600



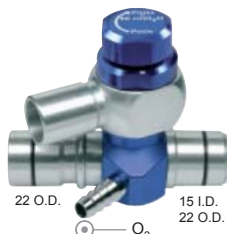
EXPIRATORY VALVES

autoclavable, Material: Aluminium

Waters Valve

REF 67-10-003

Box 1



Magill Valve

REF 67-10-333

Box 1



JACKSON REES EXPIRATORY VALVES

autoclavable, Material: Aluminium

REF 67-10-002

Box 1



REF 67-10-222

Box 1



AYRES T-PIECES

autoclavable, Material: PSU

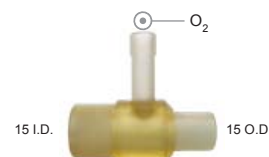
REF 67-20-005

Box 1



REF 67-20-004

Box 1

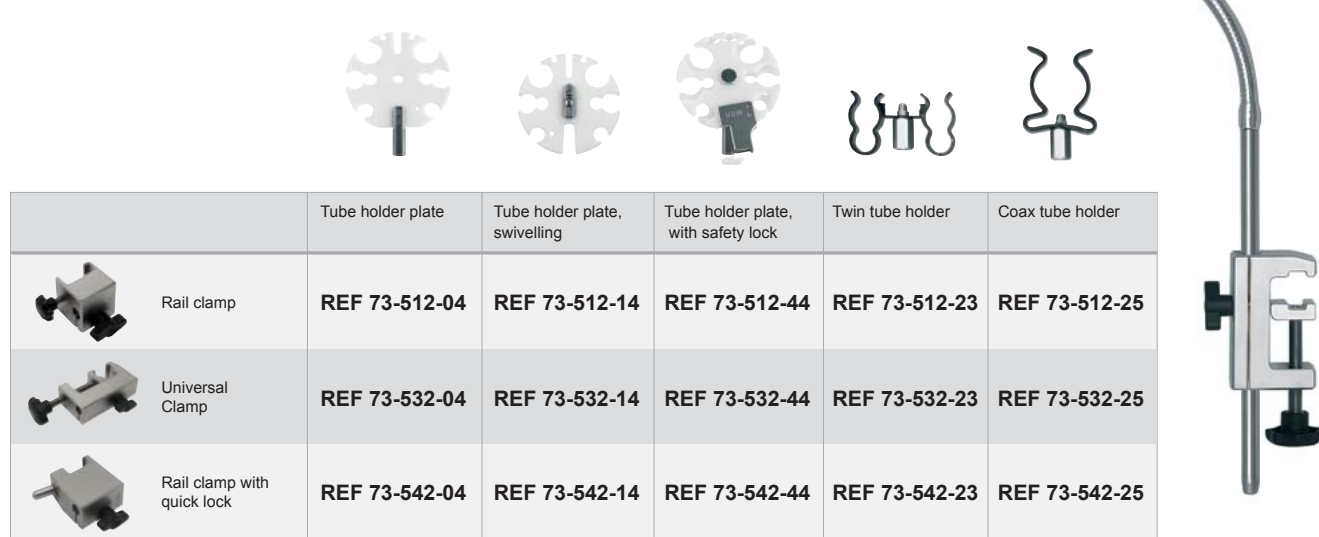


ANESTHETIC TUBE HOLDERS

clamp and holder optional according to schema

Anesthetic Tube Holder with flexible rod

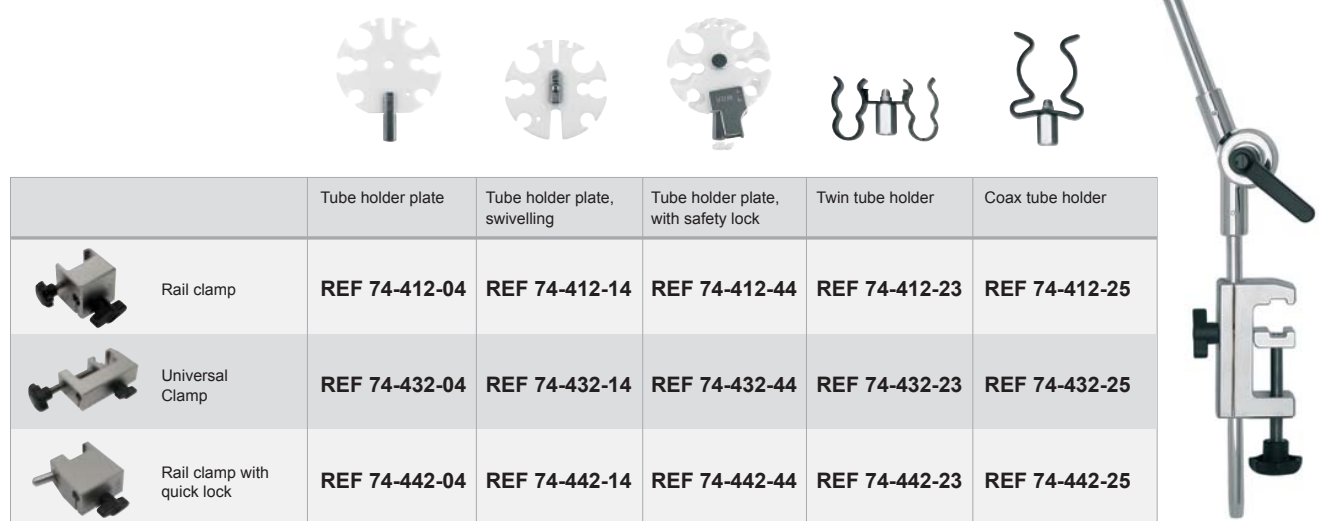
- adjustable in height, length of support arm: 38 cm



	Tube holder plate	Tube holder plate, swivelling	Tube holder plate, with safety lock	Twin tube holder	Coax tube holder
 Rail clamp	REF 73-512-04	REF 73-512-14	REF 73-512-44	REF 73-512-23	REF 73-512-25
 Universal Clamp	REF 73-532-04	REF 73-532-14	REF 73-532-44	REF 73-532-23	REF 73-532-25
 Rail clamp with quick lock	REF 73-542-04	REF 73-542-14	REF 73-542-44	REF 73-542-23	REF 73-542-25

Anesthetic Tube Holder with joint and flexible rod

- adjustable in height, length of support arm: 45 cm



	Tube holder plate	Tube holder plate, swivelling	Tube holder plate, with safety lock	Twin tube holder	Coax tube holder
 Rail clamp	REF 74-412-04	REF 74-412-14	REF 74-412-44	REF 74-412-23	REF 74-412-25
 Universal Clamp	REF 74-432-04	REF 74-432-14	REF 74-432-44	REF 74-432-23	REF 74-432-25
 Rail clamp with quick lock	REF 74-442-04	REF 74-442-14	REF 74-442-44	REF 74-442-23	REF 74-442-25

SUPPORT ARMS WITH 3-JOINT-SYSTEM

Holder optional according to schema

- fixation of the three joints with one knob
- easy and quick handling
- solid and long lasting quality
- adjustable in any desired position

Anesthetic Tube Holder with 3-Joint-System and universal clamp

- available in two length



	Tube holder plate	Tube holder plate with safety lock
Length: 30 cm	REF 70-131-04	REF 70-131-44
Length: 50 cm	REF 70-231-04	REF 70-231-44

Respiration Support Arm with 3-Joint-System, swinging head and universal clamp

- available in two length



	Single tube holder	Twin tube holder Material: Metal	Twin tube holder Material: Plastic	Tube holder plate with safety lock, small	Tube holder plate with safety lock, large
Length: 100 cm	REF 70-353-01	REF 70-353-02	REF 70-353-23S1	REF 70-353-33	REF 70-353-44
Length: 120 cm	REF 70-653-01	REF 70-653-02	REF 70-653-23S1	REF 70-653-33	REF 70-653-44

Accessories and component parts are available on request.

PRESSURE TRANSDUCER HOLDERS

with 3-Joint-System, Universal clamp and clamping piece for transducer plates

Pressure Transducer Holder

- available in two length

Length	REF
30 cm	70-131-07
50 cm	70-231-07



PRESSURE TRANSDUCER HOLDERS for Pressure Transducer Plates and Stop-Cocks

autoclavable

Stop-cock holder

REF 78-10-000



Standard holder

REF 78-20-000



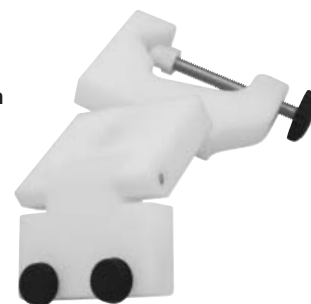
Universal holder with one flexible joint

REF 78-30-000



Universal holder with two flexible joints

REF 78-40-000



PRESSURE TRANSDUCER PLATES

to connect to the pressure transducer holders
autoclavable



for 2 pressure transducers

REF 79-000-52



for 2 "BRAUN, Pulsion and Codan"
pressure transducers

REF 79-000-72

TUBE-TRAY

Tube holder for adult and pediatric breathing tubes

- various openings for a perfect fit of breathing tubes of different size and material
- also accepts gas sampling tubes
- MRI compatible material
- versatile placement either behind or lateral to the patients' head
- relieves stress on patients' mouth and face

Tube-Tray

straight

REF 77-10-000



angled

REF 77-20-000



Tube-Tray with cushion

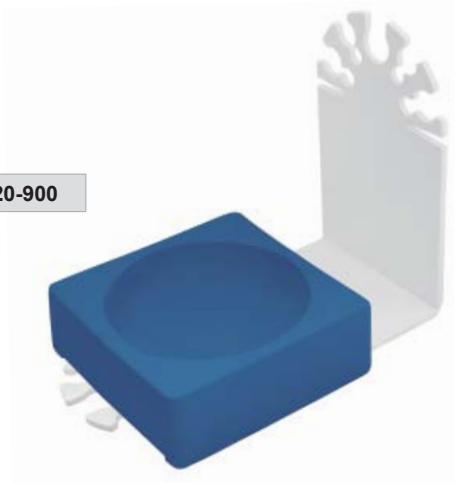
straight

REF 77-10-900



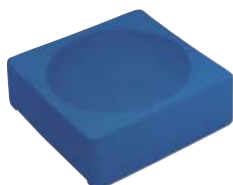
angled

REF 77-20-900



cushion

REF 77-00-900



Tube-Tray with rail clamp

(not MRI-compatible)

REF 77-00-020



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

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

Dispo Infusor

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**

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**

Dispo Infusor

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,
3x suction tips (large, medium, small) 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
---------------	--------



Catheter Adapter for funnel shape suction catheters, for single use

REF 30-58-060	Box 10
---------------	--------



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



TOURNIQUET

with dual channel for Bloodless Field, I.V. Regional Anesthesia and Bilateral Surgery for electricity 100-240 VAC, 50/60 Hz

TOURNIQUET 9000

Digital Display

- large color coded LED display is easy to read
- precise monitoring shows actual cuff pressure

Precision Pressure Regulator

- fast cuff inflation and deflation
- regulator is easier to handle than touch pads
- limits pressure to max. 600mmHg

Flush-Button

- to check for bleeding
- to release drug slowly after I.V. Regional Anesthesia

Alarm System

- visual and audible alarm to detect leaks, pressure deviations and low battery voltage

Color coded Coil Extension Hoses

- with Positive Locking Connectors (PLC)
- easy attachment and detachment
- for safe and leak-free inflation

Automatic Timer

- automatic time recording after cuff inflation
- provides elapsed cuff inflation time

Stand with basket

- very stable
- easy patient transport
- roomy storage for cuffs



Table Unit with Carrying Handle, Stand and Basket

REF 13-22-900

TOURNIQUET CUFFS

Double cuffs for I.V.-Regional Anesthesia



Double Cuffs

Patient / Size	Color code	Fabric Cuff, washable	Slim-Cuff, washable	Dispo-Cuff, sterile, for single use
Child / 30 cm	blue	REF 20-50-710	REF 20-70-710	REF 20-30-710SLZ-1
Arm / 46 cm	red	REF 20-50-712	REF 20-70-712	REF 20-30-712SLZ-1
Leg / 61 cm	green	REF 20-50-722	REF 20-70-722	REF 20-30-722SLZ-1

Further Tourniquets and Cuffs are available on request.

Handwriting practice area with 30 horizontal dotted lines.

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