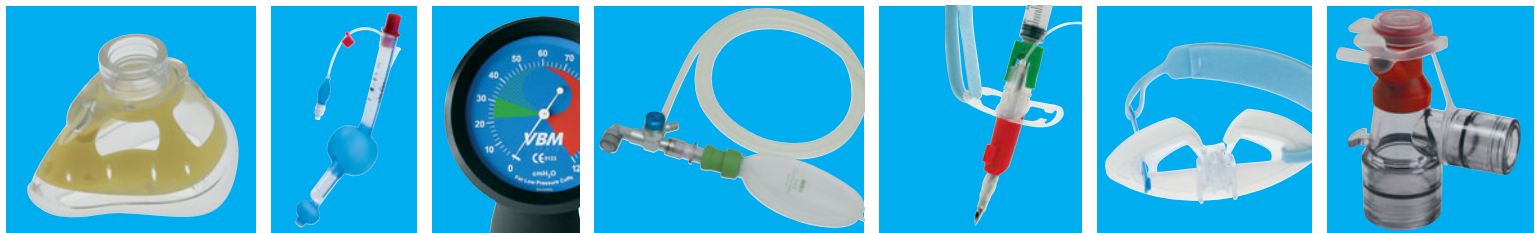




# Anesthesia Intensive Care



**VBM** Medizintechnik GmbH





# Summary

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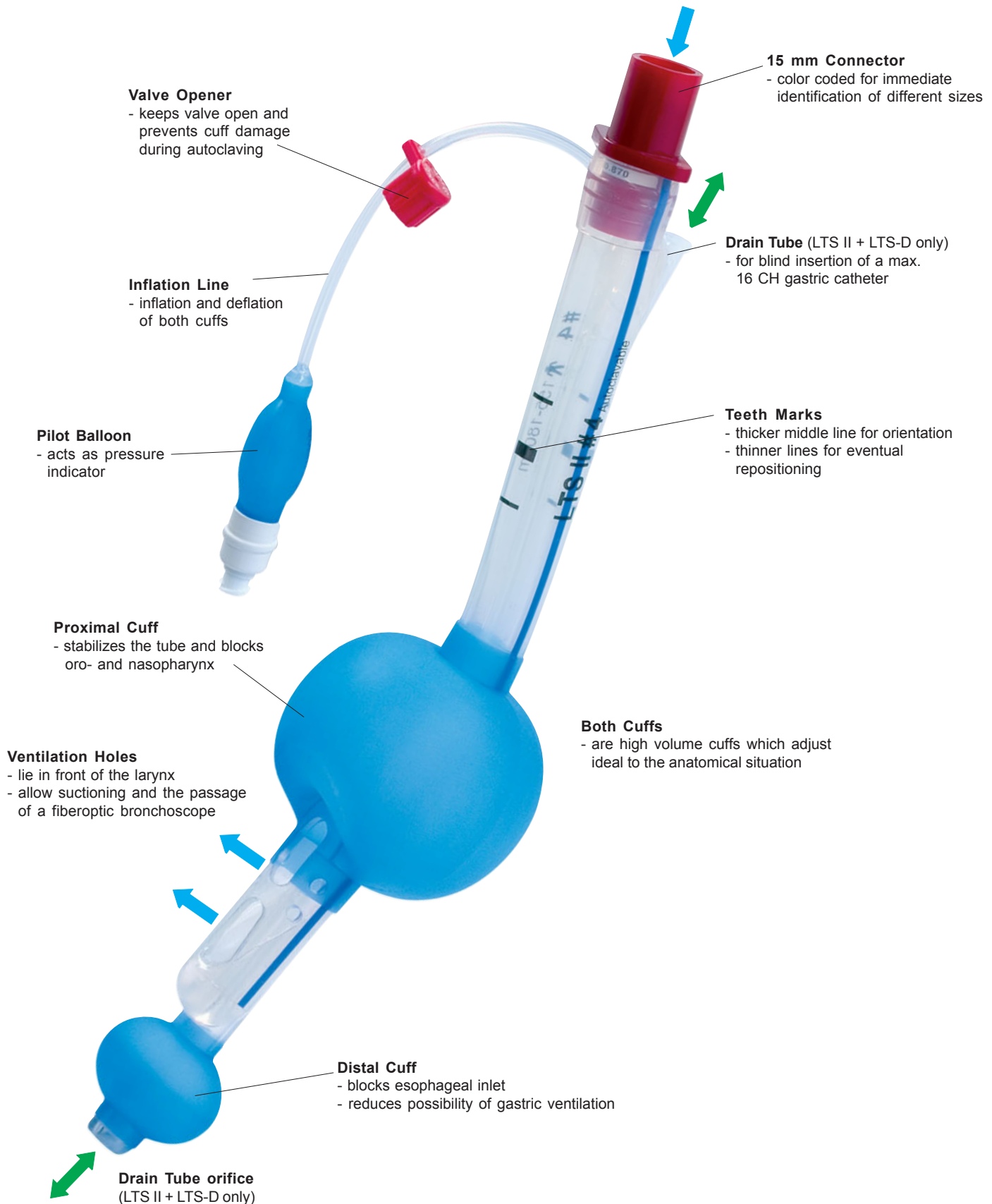
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# Laryngeal Tubes

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 Laryngeal Tube has been included as an additional device for airway management in cardiopulmonary resuscitation.



**Autoclavable,  
Single Lumen Tube**

**Material: Silicone**

**Clean packed**



**Laryngeal Tube LT**

color coded syringe and biteblock

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

**Disposable,  
Single Lumen Tube**

**Material: PVC**

**Sterile packed**



**Laryngeal Tube LT-D**

**Box of 10**, one color coded syringe and one biteblock

Size	Patient	Weight/Height	Color code	REF	Box
2	Child	12-25 kg	green	<b>32-02-002-1</b>	1
2.5	Child	125-150 cm	orange	<b>32-02-025-1</b>	1
3	Adult	< 155 cm	yellow	<b>32-02-003-1</b>	1
4	Adult	155-180 cm	red	<b>32-02-004-1</b>	1
5	Adult	> 180 cm	purple	<b>32-02-005-1</b>	1

**Box of 1**, color coded syringe and biteblock

2	Child	12-25 kg	green	<b>32-02-102-1</b>	1
2.5	Child	125-150 cm	orange	<b>32-02-125-1</b>	1
3	Adult	< 155 cm	yellow	<b>32-02-103-1</b>	1
4	Adult	155-180 cm	red	<b>32-02-104-1</b>	1
5	Adult	> 180 cm	purple	<b>32-02-105-1</b>	1

**Emergency Box**, LT-D #3, #4, #5, one color coded syringe and one biteblock

**32-02-209-1** 1

**Autoclavable,  
Dual Lumen Tube  
with Drain Tube**

**Material: Silicone**

**Clean packed**



**Laryngeal Tube LTS II**

color coded syringe and biteblock

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

**Disposable,  
Dual Lumen Tube  
with Drain Tube**

**Material: PVC**

**Sterile packed**



**Laryngeal Tube LTS-D**

**Box of 10**, one color coded syringe and one biteblock

Size	Patient	Weight/Height	Color code	REF	Box
3	Adult	< 155 cm	yellow	<b>32-06-003-1</b>	1
4	Adult	155-180 cm	red	<b>32-06-004-1</b>	1
5	Adult	> 180 cm	purple	<b>32-06-005-1</b>	1

**Box of 1**, color coded syringe and biteblock

3	Adult	< 155 cm	yellow	<b>32-06-103-1</b>	1
4	Adult	155-180 cm	red	<b>32-06-104-1</b>	1
5	Adult	> 180 cm	purple	<b>32-06-105-1</b>	1

**Emergency Box**, LTS-D #3, #4, #5, one color coded syringe and one biteblock

**32-06-209-1** 1



# Laryngeal Tubes

## Cuff Pressure Gauge “Universal“

for elective cases  
Scale has two green ranges

- For tracheal tubes (22-32 cmH<sub>2</sub>O)
- For Laryngeal Tubes and Laryngeal Masks (60-70 cmH<sub>2</sub>O)

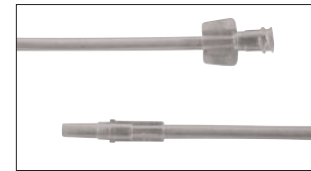
REF 54-07-000



## Connecting Tubing

100 cm long, with Luer connection

REF 54-05-112 Box 100



## Syringes

with Luer connection and color code for Laryngeal Tubes

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



## Biteblocks

# 6, fits Laryngeal Tube # 3, 4, 5

REF 40-70-060 autoclavable Box 10  
REF 40-60-060-1 disposable Box 10

# 5, fits Laryngeal Tube LT # 2 and 2.5

REF 40-70-050 autoclavable Box 10  
REF 40-60-050-1 disposable Box 10



## Elastic Necktape

Length: 75 cm, for biteblock

REF 40-06-075 Box 10



## 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.

G-LT for Adult ≥ 155 cm

REF 32-90-004 Box 1



# Stylets, Introducers and Tube Exchangers

## METTS (Muallem ET Tube Stylet)

for difficult intubation

single use, sterile

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

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 (Muallem ET Tube Introducer)

for difficult intubation and tube exchange

for single use, sterile

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

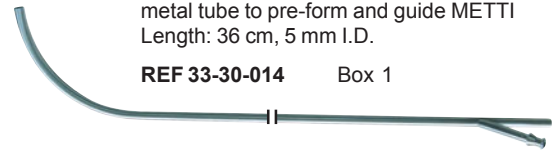
Size	Length	for ET Tube	REF	Box
12 CH	80 cm	≥ 5.0 mm	33-12-800-1	5
14 CH	80 cm	≥ 6.0 mm	33-14-800-1	5



### Muallem Pipe Stylet

metal tube to pre-form and guide METTI  
Length: 36 cm, 5 mm I.D.

REF 33-30-014 Box 1



## Introducer

for difficult intubation

for single use, sterile

- lumen-design, Universal Connector included
- rigid pre-formed tip
- graduation marks

Size	Length	for ET Tube	REF	Box
14 CH	65 cm	≥ 5.0 mm	33-50-650-1	5



## Intubation Catheter

for fiberoptically assisted intubation

for single use, sterile

- lumen-design, Universal Connector included
- graduation marks

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



## Tube Exchanger

for extubation and exchange of Endotracheal Tubes

for single use, sterile

- lumen-design, Universal Connector included
- graduation marks

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



### Universal Connector

15 mm / Luer Lock for oxygenation,  
fits all sizes with lumen-design  
Material: PC

REF 33-60-005 Box 10



## Stylets

short, malleable intubation stylet

autoclavable up to 134°C

- soft, atraumatic tip

without Silicone connector

Size	Length	for ET Tube	REF	Box
small	34 cm	2.5 - 3.5 mm	90-10-111	25
medium	38 cm	4.0 - 4.5 mm	90-10-222	25
large	45 cm	5.0 - 6.5 mm	90-10-333	25
large	45 cm	7.0 - 11.0 mm	90-10-444	25

with adjustable 15 mm I.D. Silicone connector

Size	Length	for ET Tube	REF	Box
small	34 cm	2.5 - 3.5 mm	90-10-001	10
medium	38 cm	4.0 - 4.5 mm	90-10-002	10
large	45 cm	5.0 - 6.5 mm	90-10-003	10
large	45 cm	7.0 - 11.0 mm	90-10-004	10



15 I.D.

# Cricothyrotomy

## Cricothyrotomy Sets 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 I packed in box, sterile

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

### Quicktrach II with cuff packed in box, sterile

- 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“

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

### packed in plastic tube, sterile

- ideal for emergency bags (compact and robust)



### Quicktrach I

Patient	I.D.	REF	Box
Adult	4.0 mm	30-04-904-1	1

### Quicktrach II with Cuff

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



# Jet Ventilation

## 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.

With 4 m pressure hose, Jet Ventilation Catheters acc. to Ravussin (13 G, 14 G, 16 G), 100 cm connecting tube, Endojet Adapter (for ET Tube) and Bronchoscope Adapter

REF 30-01-003



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



### Bronchoscope Adapter

for connection to rigid bronchoscope, 15 mm I.D. swivelling, with Luer Lock

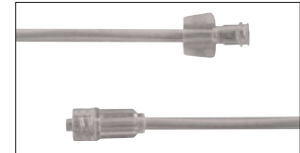
REF 60-70-005 Box 5



### Connecting Tube

100 cm long with Luer Lock

REF 54-05-111 Box 100



### Endojet Adapter

for connection to Endotracheal tube, 15 mm I.D. swivelling, 22 mm O.D. with expiration holes, 50 cm adjustable catheter with Luer Lock, sterile packed

REF 30-03-111-1 Box 5



## 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

### Emergency Sets

sterile packed, 1 piece per box and syringe

Patient	Size	REF	Box
Infant	16 G	30-02-918-1	1
Child	14 G	30-02-914-1	1
Adult	13 G	30-02-913-1	1



13 G



14 G



16 G

### Anesthesia Sets

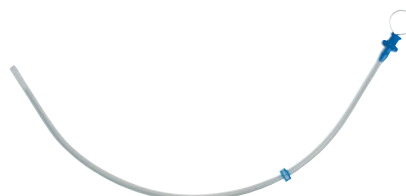
sterile packed, 5 pcs. per box

Patient	Size	REF	Box
Infant	16 G	30-02-018-1	1
Child	14 G	30-02-014-1	1
Adult	13 G	30-02-013-1	1

### Jet Catheters (oral), single lumen

for single use, sterile

Patient	Length	REF	Box
Infant 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



# Masks

## Endoscopy Masks

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

for single use

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

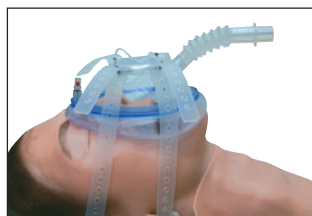
Size	Patient	Membrane	REF	Box
0	Newborn	2.0 mm	<b>30-40-000</b>	6
1	Infant	2.0 mm	<b>30-40-111</b>	6
3	Child	3.0 mm	<b>30-40-333</b>	6
3	Child	5.0 mm	<b>30-40-335</b>	6
5	Adult	5.0 mm	<b>30-40-555</b>	6
5	Adult	10.0 mm	<b>30-40-777</b>	6



### Harness

Material: Silicone, latex free reusable, autoclavable up to 134°C

Patient	REF	Box
Child	<b>35-70-155</b>	10
Adult	<b>35-70-255</b>	10



### Fixation Tapes

Material: foam

For Mask	REF	Box
# 1	<b>35-40-622</b>	10
# 3+5	<b>35-40-633</b>	10



### Hook Ring

made of PE, Ø 32 mm fits for Endoscopy masks

**REF 30-40-266** Box 10



### Bronchoscope Airways

with external biteblock, single use, sterile

- protect expensive equipment from damage
- guide bronchoscope and ET Tube

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



## Face Masks made of Silicone

latex-free, reusable, autoclavable up to 134°C

### with plastic dome and inflatable cushion

Size	Patient	Color	REF	Box
2	Child	green	35-70-222	1
3	Adult small	yellow	35-70-223	1
4	Adult medium	red	35-70-224	1
5	Adult large	purple	35-70-225	1
6	Adult extra large	blue	35-70-226	1



### with plastic dome

Size	Patient	Color	REF	Box
3	Adult small	yellow	80-11-003	10
4	Adult medium	red	80-11-004	10
5	Adult large	purple	80-11-005	10



## Bi-Masks

Silicone mask with internal plastic shell (PSU)

Size	Patient	Color	REF	Box
3	Adult small	yellow	35-65-223	1
4	Adult medium	red	35-65-224	1
5	Adult large	purple	35-65-225	1
6	Adult extra large	blue	35-65-226	1



## Masks for Children, completely made of Silicone

latex-free, autoclavable up to 134°C

### Rendell Baker Masks

Size	Patient	REF	Box
0	Neonate	35-60-000	10
1	Infant	35-60-001	10
2	Child small	35-60-002	10
3	Child	35-60-003	10



### Masks, round

Size	Patient	REF	Box
0	Neonate	80-11-000	10
1	Infant	80-11-001	10
2	Child	80-11-002	10



# Cuff Pressure Gauges

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

Complete with 100 cm Connecting Tubing



## Pocket

Ø 50 mm scale

REF 54-04-000



## Monitor

Ø 68 mm scale

REF 54-05-000



## Sensitive

Ø 50 mm scale, with hook

Release valve allows sensitive adjustment of the desired cuff pressure

REF 54-03-001



## Pediatric

Ø 50 mm scale, with hook, pressure range from 0 - 60 cmH<sub>2</sub>O

Release valve allows sensitive adjustment of the desired cuff pressure

REF 54-02-001



## Variable

Ø 50 mm scale

with adjustable pointer (scale in cmH<sub>2</sub>O and mmHg)

Silicone tracheal tubes have a high permeability of anesthetic gases. The minimal necessary cuff pressure can be marked with the adjustable pointer. Pressure increase can be released to the marked pressure with the pressure release valve.

REF 54-06-000



## Universal

Ø 68 mm scale

Scale has two green ranges  
- For tracheal tubes (22-32 cmH<sub>2</sub>O)  
- For Laryngeal Tubes and Laryngeal Masks (60-70 cmH<sub>2</sub>O)

REF 54-07-000

## Cuff Controller

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

- allows to seal with lowest pressure to reduce the risk of mucosal ischemia and pressure necrosis
- set pressure is automatically maintained
- compensates leakages (pressure drop > 1 cmH<sub>2</sub>O) 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 cmH<sub>2</sub>O (adult) / 10 cmH<sub>2</sub>O (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 cmH<sub>2</sub>O and mmHg
- Universal clamp for fixation to standard rail



### Cuff Controllers

pre-adjusted to 25 cmH<sub>2</sub>O for adults with battery, universal clamp and 100 cm connecting tubing

### REF

**55-13-500**

ditto, but pre-adjusted to 10 cmH<sub>2</sub>O for pediatrics

**55-13-501**

Connecting tubing, Length: 100 cm  
Connecting tubing, Length: 200 cm

**54-05-112**

**61-95-200**

### Technical data:

Supply voltage: 90 - 250 VAC  
Regulation range: 0-99 cmH<sub>2</sub>O (0 to 73 mmHg)  
Size: 150 mm (H) x 120 mm (W) x 60 mm (D)  
Weight: 0.4 kg

### Optional vacuum valve



Activating the bulb creates a vacuum. This allows to deflate the cuff of the tube. All Cuff Pressure Gauges are optionally available with this valve.

(add „-V“ to REF)

### Connecting Tubings



with female Luer Lock connection and Luer connection

Length: 100 cm

**REF 54-05-112**

Box 100

Length: 200 cm

**REF 54-05-113**

Box 100





# Resuscitation Bags, reusable

## Hook Rings

Ø 33 mm, made of metal  
fits for masks with plastic dome

**REF 80-11-266** Box 10



Ø 30-33 mm, made of polysulfone (PSU)  
fits for full Silicone masks

**REF 35-60-266** Box 10



## Harness

latex free, autoclavable up to 134°C

Patient	Material	REF	Box
Child	Silicone	<b>35-70-155</b>	10
Adult	Silicone	<b>35-70-255</b>	10



## Silicone Resuscitation Bags

with Barcode and Serial number

autoclavable up to 134°C

### Adult 2000 ml

with palm holder

with 40 cmH<sub>2</sub>O pressure relief  
without pressure relief

REF	Box
<b>82-10-100</b>	1
<b>82-10-101</b>	1



### Child 500 ml

with 40 cmH<sub>2</sub>O pressure relief  
without pressure relief  
with manometer

REF	Box
<b>80-10-200</b>	1
<b>80-10-201</b>	1
<b>80-10-251</b>	1



### Infant 250 ml

with 40 cmH<sub>2</sub>O pressure relief  
with 20 cmH<sub>2</sub>O pressure relief  
without pressure relief  
with manometer  
with pressure proved manometer

REF	Box
<b>80-10-300</b>	1
<b>80-10-306</b>	1
<b>80-10-301</b>	1
<b>80-10-351</b>	1
<b>80-10-352</b>	1



## Intake Valve for Demand Valve

complete with additional connector

Material: Aluminium, autoclavable up to 134°C

**REF 80-16-900** Box 1



Demand Valve with additional connector



Reservoir Valve with Reservoir Bag and oxygen connector

## Reservoir Bags

for single use

Size	REF	Box
2600 ml	<b>80-12-010</b>	5
1800 ml	<b>80-12-015</b>	5
600 ml	<b>80-12-020</b>	5



## Reservoir Valve

autoclavable up to 134°C

**REF 80-12-030** Box 1



## PEEP Valves

autoclavable up to 134°C, MRI-proof

**2.5 - 10 cmH<sub>2</sub>O, green** REF Box

22 mm O.D. **80-13-001** 1  
30 mm I.D. **80-13-004** 1

**5 - 20 cmH<sub>2</sub>O, blue** REF Box

30 mm I.D. **80-13-002** 1  
22 mm O.D. **80-13-005** 1



## PEEP Adapter

autoclavable up to 134°C

**REF 80-13-003** Box 1



### 2 m O<sub>2</sub>-Tubing

made of PVC, for single use

REF 85-17-000 Box 1



### Hook

made of Silicone, autoclavable up to 134°C  
fits all Resuscitation Bags

REF 80-10-999 Box 1



### Extension Tubing with connector (PSU)

made of Silicone, autoclavable up to 134°C,  
for extension between resuscitator and patient valve

REF 80-22-040  
Box 1



### Rail Clamp

to hold Resuscitation Bag

REF 79-025-00 Box 1



## Complete Sets

reusable, supplied in a rigid transparent carrying case

### Adult

- with 2000 ml Resuscitation Bag with palm holder
- Air Cushion Face Mask # 5
- Reservoir Bag 2600 ml
- Reservoir Valve
- 2 m O<sub>2</sub>-Tubing

REF 82-10-190

### Child

- with 500 ml Resuscitation Bag
- Air Cushion Face Mask # 3
- Reservoir Bag 1800 ml
- Reservoir Valve
- 2 m O<sub>2</sub>-Tubing

REF 82-10-290

### Infant

- with 250 ml Resuscitation Bag
- Mask, round # 1
- Reservoir Bag 600 ml
- Reservoir Valve
- 2 m O<sub>2</sub>-Tubing

REF 80-10-390



## Respiration Cases

autoclavable up to 134°C

### Adult

- 2000 ml Silicone Resuscitation Bag with palm holder
- Air Cushion Face Masks # 3, 4, 5
- Airways # 3, 4, 5

REF 30-92-100

### Child

- 500 ml Silicone Resuscitation Bag
- Mask, round # 1
- Air Cushion Face Masks # 2, 3
- Airways # 0, 1, 2

REF 30-92-200

### Infant

- 250 ml Silicone Resuscitation Bag
- Masks, round # 0, 1
- Air Cushion Face Mask # 2
- Airways # 00, 0, 1

REF 30-92-300



for a quick use in  
emergency situations

case includes basic equipment  
like resuscitator, masks and  
Guedel airways

ideal for hospitals, paramedics,  
dentists, industry, etc.



**Wall Fixation**  
for Respiration Case

REF 30-91-001

# Resuscitation Bags, single use

## PVC Face Masks

with inflatable cushion, for single use

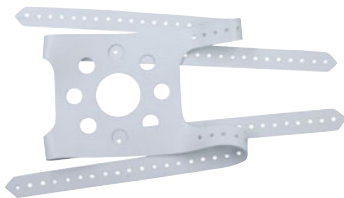
Size	Patient	Color code	Connection	REF	Box
1	Neonate	-	15 mm O.D.	<b>35-40-201</b>	10
2	Infant	-	15 mm O.D.	<b>35-40-202</b>	10
3	Child	yellow	22 mm I.D.	<b>35-40-203</b>	10
4	Adult small	red	22 mm I.D.	<b>35-40-204</b>	10
5	Adult medium	purple	22 mm I.D.	<b>35-40-205</b>	10
6	Adult large	blue	22 mm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



## Harness

latex free, for single use

Patient	Material	REF	Box
Adult	synthetic rubber	<b>35-30-255</b>	10



## Fixation Tapes

for face masks for single use  
material: foam

For mask	Length	REF	Box
# 1	350 mm	<b>35-40-610</b>	10
# 2-3	500 mm	<b>35-40-611</b>	10
# 4-6	600 mm	<b>35-40-633</b>	10



## PVC Resuscitation Bags

for single use

Adult 1800 ml	REF	Box
with 40 cmH <sub>2</sub> O pressure relief	<b>85-10-100</b>	1
without pressure relief	<b>85-10-101</b>	1



Child 500 ml	REF	Box
with 40 cmH <sub>2</sub> O pressure relief	<b>85-10-200</b>	1
without pressure relief	<b>85-10-201</b>	1



Infant 250 ml	REF	Box
with 40 cmH <sub>2</sub> O pressure relief	<b>85-10-300</b>	1
without pressure relief	<b>85-10-301</b>	1





## PEEP Valve

for single use, MRI-proof

2.5-10 cmH<sub>2</sub>O, color: green

	REF	Box
22 mm O.D.	85-13-001	1
30 mm I.D.	85-13-004	1



5-20 cmH<sub>2</sub>O, color: blue

	REF	Box
30 mm I.D.	85-13-002	1
22 mm O.D.	85-13-005	1



## PEEP Adapter

for single use

REF 85-13-003 Box 1



## Reservoir Bag

for single use

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



## Reservoir Valve

for single use

REF 85-12-030 Box 10



## Complete Sets

single use, supplied in a rigid transparent carrying case

### Adult

- with 1800 ml Resuscitation Bag
- Air Cushion Face Mask # 5
- Reservoir Bag 2600 ml
- Reservoir Valve
- 2 m O<sub>2</sub>-Tubing

REF 85-10-190

### Child

- with 500 ml Resuscitation Bag
- Air Cushion Face Mask # 3
- Reservoir Bag 1800 ml
- Reservoir Valve
- 2 m O<sub>2</sub>-Tubing

REF 85-10-290

### Infant

- with 250 ml Resuscitation Bag
- Air Cushion Face Mask # 2
- Reservoir Bag 600 ml
- Reservoir Valve
- 2 m O<sub>2</sub>-Tubing

REF 85-10-390



## Transparent Carrying Cases

	REF	Box
for Child and Infant Resuscitation Bag	80-10-080	1
for Adult Resuscitation Bag	80-10-090	1



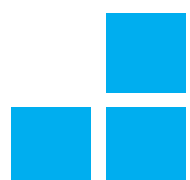
## Mouth to Mask Resuscitator

for single use, material: PVC

for emergency during life saving mouth to mouth resuscitation

- 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



# Masks

## CPAP Respiration Sets

single patient use

consisting of:

CPAP Mask, Harness, PEEP Valve, adjustable from 5 - 20 cmH<sub>2</sub>O and Adapter for 22 mm tube connection

Size	REF	Box
medium	35-45-001	1
large	35-45-002	1

ditto, but with PEEP Valve, adjustable from 2.5 - 10 cmH<sub>2</sub>O

Size	REF	Box
medium	35-45-003	1
large	35-45-004	1



## CPAP Masks

with inflatable cushion and with Adapter REF 60-50-007

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



## PEEP Valves

for single use, MRI-proof

adjustable from	REF	Box
5 - 20 cmH <sub>2</sub> O, blue	85-13-002	1
2.5 - 10 cmH <sub>2</sub> O, green	85-13-004	1



30 I.D.

## PEEP Valves

autoclavable up to 134°C, MRI-proof

adjustable from	REF	Box
5 - 20 cmH <sub>2</sub> O, blue	80-13-002	1
2.5 - 10 cmH <sub>2</sub> O, green	80-13-004	1

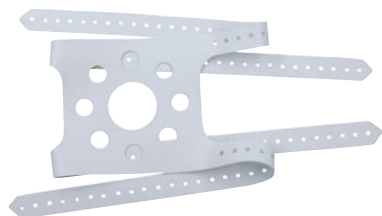


30 I.D.

## Harness

latex free, for single use

REF 35-30-255 Box 10



## Adapter

for single use

REF 60-50-007 Box 10



29 I.D./  
32 O.D.

22 O.D.

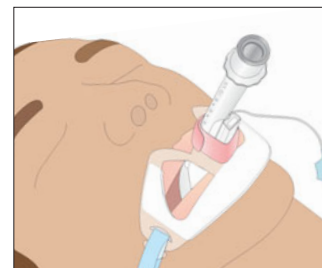
# Tube Fixations

## Endofix Oral II

oral ET Tube fixation for Anesthesia and Intensive Care

### with foam necktape

Patient	Color code	for ET Tube	REF	Box
Child	yellow	4.5 - 6.5 mm	40-9005-010	10
Adult small	white	6.5 - 8.5 mm	40-9005-030	10
Adult medium	blue	8.5 - 10.0 mm	40-9005-040	10
Adult large	purple	10.0 - 11.0 mm	40-9005-050	10



### with elastic necktape

Patient	Color code	for ET Tube	REF	Box
Child	yellow	4.5 - 6.5 mm	40-9006-010	10
Adult small	white	6.5 - 8.5 mm	40-9006-030	10
Adult medium	blue	8.5 - 10.0 mm	40-9006-040	10
Adult large	purple	10.0 - 11.0 mm	40-9006-050	10



### Foam Cushions for Endofix Oral

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

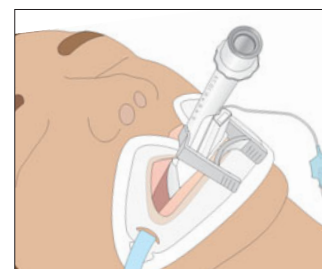


## Rescuefix

oral Tube fixation for emergencies with integrated biteblock

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 ideal for stiff neck as well.

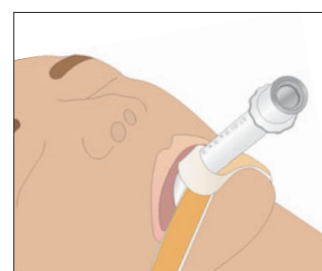
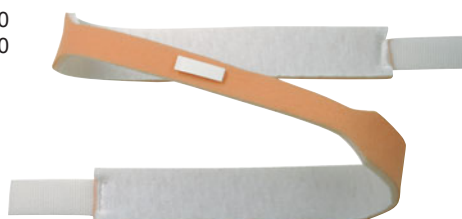
Patient	Color code	for ET Tube	REF	Box
Child	yellow	5.0 - 6.5 mm	40-9005-111	10
Adult	white	7.0 - 10.0 mm	40-9005-333	10



## Tube Holder

oral / nasal ET Tube fixation

Patient	Length	REF	Box
Child and Adult	55 cm (22")	40-8010-033	10
Adult	65 cm (26")	40-8010-044	10



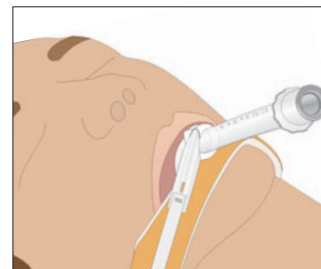
# Tube Fixations

## Endotape

oral / nasal ET Tube fixation

for Child and Adult  
Length: 54 cm (21")

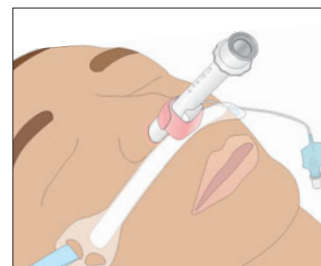
REF 40-8018-044 Box 10



## Endofix Nasal

nasal ET Tube fixation for Intensive Care

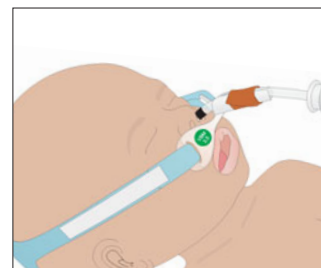
	REF	Box
with foam necktape	40-4005	25
with elastic necktape	40-4006	25



## Baby Endofix

oral / nasal ET Tube fixation for babies

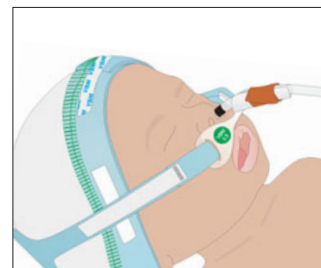
for ET Tube	Color code	REF	Box
2.0 mm	transparent	40-1005-020	25
2.5 mm	yellow	40-1005-025	25
3.0 mm	red	40-1005-030	25
3.5 mm	green	40-1005-035	25
4.0 mm	blue	40-1005-040	25



## Baby-Cap

single patient use,  
100% Cotton

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



Size	Color code	Head size	REF	Box
0	white	19 - 22 cm	7.5 - 8.7"	40-1900-000 5
1	orange	23 - 28 cm	9.0 - 11.0"	40-1900-001 5
2	yellow	28 - 32 cm	11.0 - 12.6"	40-1900-002 5
3	red	33 - 38 cm	13.0 - 15.0"	40-1900-003 5
4	green	38 - 43 cm	15.0 - 17.0"	40-1900-004 5
5	blue	43 - 50 cm	17.0 - 19.7"	40-1900-005 5



### with Endofix

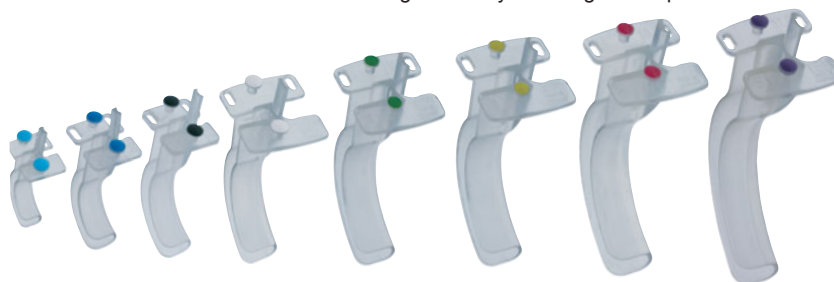
Size	Color code	Head size	for ET Tube	REF	Box
0	white	19 - 22 cm	7.5 - 8.7"	2.0 mm 40-1905-000	5
1	orange	23 - 28 cm	9.0 - 11.0"	2.5 mm 40-1905-001	5
2	yellow	28 - 32 cm	11.0 - 12.6"	2.5 mm 40-1905-002	5
3	red	33 - 38 cm	13.0 - 15.0"	3.0 mm 40-1905-003	5
4	green	38 - 43 cm	15.0 - 17.0"	3.5 mm 40-1905-004	5
5	blue	43 - 55 cm	17.0 - 19.7"	4.0 mm 40-1905-005	5



## Guedel Airways

### 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 (cm)	autoclavable up to 134°C (273°F) Material: PU	Box	for single use, sterile Material: EVA	Box	for single use, sterile, with elastic necktape Material: EVA	Box
000	light blue	3.5	40-40-007	10	40-20-007-1	30	40-26-007-1	30
00	marine	5.0	40-40-008	10	40-20-008-1	30	40-26-008-1	30
0	black	6.0	40-40-009	10	40-20-009-1	30	40-26-009-1	30
1	white	7.0	40-40-010	10	40-20-010-1	30	40-26-010-1	30
2	green	8.5	40-40-020	10	40-20-020-1	30	40-26-020-1	30
3	yellow	9.0	40-40-030	10	40-20-030-1	30	40-26-030-1	30
4	red	10.0	40-40-040	10	40-20-040-1	30	40-26-040-1	30
5	purple	11.0	40-40-050	10	40-20-050-1	30	40-26-050-1	30

## Biteblocks

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

- tube clips into biteblock and is therefore protected from occlusion



Size	fits for	Size	autoclavable up to 134°C Material: PU	Box	for single use, sterile Material: EVA	Box	for single use, sterile, with elastic necktape Material: EVA	Box
4	ET Tube	6.5-8.0 mm	40-70-040	10	40-60-040-1	25	40-66-040-1	20
5	ET Tube	8.5-11.0 mm	40-70-050	10	40-60-050-1	25	40-66-050-1	20
	Laryngeal Tube	2 + 2.5						
	Laryngeal Mask	2 + 2.5						
6	Laryngeal Tube	3, 4, 5	40-70-060	10	40-60-060-1	25	40-66-060-1	20
	Laryngeal Mask	3, 4, 5						

## Fixation Tapes for Guedel Airways and Biteblocks

### Foam Necktape

REF 40-25-000

Box 5



### Elastic Necktapes

Length	REF	Box
40 cm	40-06-040	10
55 cm	40-06-055	10
75 cm	40-06-075	10



### Foam Pads

self-adhesive, for Airway and Biteblock

Size	For size	REF	Box
small	000, 1, 2	40-20-011	30
large	00, 0, 3, 4, 5	40-20-033	30





# Tube Fixations

## Tracheostomy Necktapes

Tube fixations for tracheostomized patients

### with velcro fastener

blue  
Material: foam

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



### with velcro fastener

skin colored  
Material: cotton covered foam

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



### separable with velcro fastener

skin colored  
Material: cotton covered foam

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



### separable with hook fastener

skin colored  
Material: cotton covered foam

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



## Tracheostomy Dressing

sterile

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

size: 6.5 x 9.0 cm

**REF 30-06-111-1** Box 25



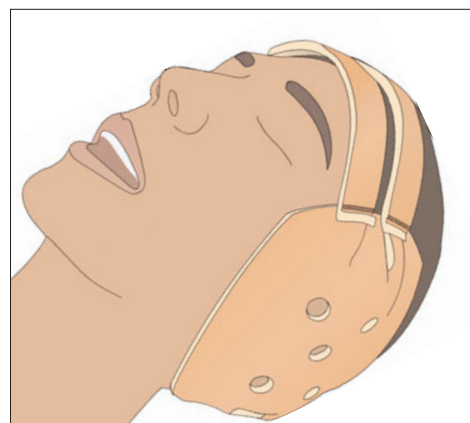
## „Ear Dress“

for use after ear operations, for Child and Adult,  
cotton covered foam with velcro fastening

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

color: skin colored

**REF 40-7000** Box 5



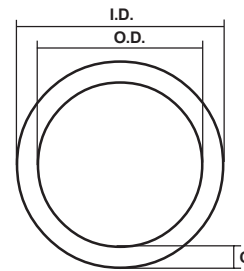
# Adapters / Connectors

## Tubings made of Silicone, smooth/clear

autoclavable up to 134°C, latex free

Box 1 roll = 25 m

I.D. (mm)	x	C	O.D. (mm)	I.D. (inch)	x	C	O.D. (inch)	REF
1.0	x	0.5	2.0	.04"	x	.02"	.08"	68-010-05
1.0	x	1.0	3.0	.04"	x	.05"	.12"	68-010-10
1.5	x	0.75	3.0	.06"	x	.03"	.12"	68-015-075
2.0	x	1.0	4.0	.08"	x	.05"	.16"	68-020-10
3.0	x	1.0	5.0	.12"	x	.05"	.20"	68-030-10
3.0	x	1.5	6.0	.12"	x	.06"	.24"	68-030-15
4.0	x	1.0	6.0	.16"	x	.05"	.24"	68-040-10
4.0	x	1.5	7.0	.16"	x	.06"	.28"	68-040-15
4.0	x	2.0	8.0	.16"	x	.08"	.31"	68-040-20
5.0	x	1.0	7.0	.20"	x	.05"	.28"	68-050-10
5.0	x	1.5	8.0	.20"	x	.06"	.31"	68-050-15
5.0	x	2.0	9.0	.20"	x	.08"	.35"	68-050-20
6.0	x	1.0	8.0	.24"	x	.05"	.31"	68-060-10
6.0	x	1.5	9.0	.24"	x	.06"	.35"	68-060-15
6.0	x	2.0	10.0	.24"	x	.08"	.39"	68-060-20
6.0	x	3.0	12.0	.24"	x	.12"	.47"	68-060-30
7.0	x	1.5	10.0	.28"	x	.06"	.39"	68-070-15
7.0	x	2.0	11.0	.28"	x	.08"	.43"	68-070-20
7.0	x	3.0	13.0	.28"	x	.12"	.51"	68-070-30
8.0	x	1.0	10.0	.31"	x	.05"	.39"	68-080-10
8.0	x	2.0	12.0	.31"	x	.08"	.47"	68-080-20
8.0	x	3.0	14.0	.31"	x	.12"	.55"	68-080-30
9.0	x	2.0	13.0	.35"	x	.08"	.51"	68-090-20
10.0	x	2.0	14.0	.39"	x	.08"	.55"	68-100-20
10.0	x	3.0	16.0	.39"	x	.12"	.63"	68-100-30
12.0	x	3.0	18.0	.47"	x	.12"	.71"	68-120-30
12.0	x	4.0	20.0	.47"	x	.16"	.79"	68-120-40
14.0	x	3.0	20.0	.55"	x	.12"	.79"	68-140-30
15.0	x	3.0	21.0	.59"	x	.12"	.83"	68-150-30
16.0	x	3.0	22.0	.63"	x	.12"	.87"	68-160-30
18.0	x	3.0	24.0	.71"	x	.12"	.94"	68-180-30
20.0	x	2.0	24.0	.79"	x	.08"	.94"	68-200-20
20.0	x	3.0	26.0	.79"	x	.12"	1.02"	68-200-30
25.0	x	2.0	29.0	.98"	x	.08"	1.14"	68-250-20
25.0	x	4.0	33.0	.98"	x	.16"	1.30"	68-250-40



Further sizes are available on request

## Connection Pieces

for endobronchial double lumen tubes (Carlens Tubes)  
autoclavable up to 134°C

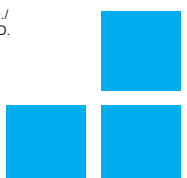
Connection Piece with 15 mm I.D. to Y-Piece 15 mm O.D.

	REF	Box
with tube clamps	60-80-100	5
without tube clamps	60-80-101	5



Connection Piece with two right angled swivel connectors to Y-Piece 15 mm O.D.

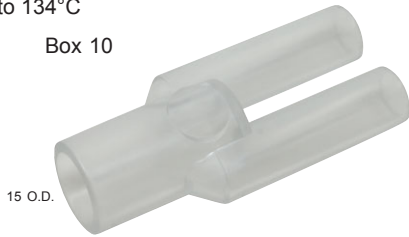
	REF	Box
with tube clamps	60-80-200	5
without tube clamps	60-80-201	5



## Double Lumen Tube Adapters

Standard,  
autoclavable up to 134°C

REF 60-80-322 Box 10



with female Luer Lock  
connection made of metal,  
for single use

REF 60-80-522 Box 10



## 15 mm Endo Adapters

autoclavable up to 134°C

Standard  
Material: PSU

I.D.	REF	Box
2.0 mm	44-2535-020	10
2.5 mm	44-2535-025	10
3.0 mm	44-2535-030	10
3.5 mm	44-2535-035	10
4.0 mm	44-2535-040	10
5.0 mm	44-2535-050	10
6.0 mm	44-2535-060	10
7.0 mm	44-2535-070	10
8.0 mm	44-2535-080	10
9.0 mm	44-2535-090	10
10.0 mm	44-2535-100	10

with wings  
Material: PSU

I.D.	REF	Box
6.0 mm	44-2555-060	10
7.0 mm	44-2555-070	10
8.0 mm	44-2555-080	10
9.0 mm	44-2555-090	10
10.0 mm	44-2555-100	10

with Luer Lock sideport for pressure  
and gas measuring, sterile  
Material: PMP

I.D.	REF	Box
2.0 mm	44-3500-020-1	10
2.5 mm	44-3500-025-1	10
3.0 mm	44-3500-030-1	10
3.5 mm	44-3500-035-1	10
4.0 mm	44-3500-040-1	10
5.0 mm	44-3500-050-1	10
6.0 mm	44-3500-060-1	10
7.0 mm	44-3500-070-1	10
8.0 mm	44-3500-080-1	10
9.0 mm	44-3500-090-1	10
10.0 mm	44-3500-100-1	20

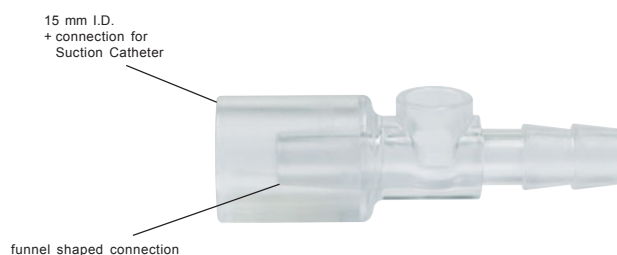


## Meconium Aspirator

Material: PC, for single use

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


REF 49-30-000 Box 10





# Straight Connectors

autoclavable up to 134°C, Material: PSU


22 I.D.  9-11 O.D. **REF 60-30-002** Box 10

15 I.D./ 22 O.D.  9-11 O.D. **60-30-003** 10

15 O.D.  9-11 O.D. **60-30-005** 10

15 I.D.  9-11 O.D. **60-30-006** 10


22 I.D.  11-13 O.D. **REF 60-40-002** Box 10

15 I.D./ 22 O.D.  11-13 O.D. **60-40-003** 10


15 O.D.  11-13 O.D. **60-40-005** 10


15 I.D.  11-13 O.D. **60-40-006** 10

22 I.D.  with female Luer Lock connection, Material: Aluminium **REF 60-70-002** Box 10


22 I.D.  for O<sub>2</sub> tubings with 5.0 - 7.0 mm I.D. Material: Aluminium **REF 60-71-002** Box 10


15 I.D./ 22 O.D.  15 I.D./ 22 O.D. Standard **REF 60-12-110** Box 10


15 I.D./ 22 O.D.  15 I.D./ 22 O.D. with female Luer Lock connection **REF 60-12-111** Box 10

15 I.D./ 22 O.D.  15 I.D./ 22 O.D. with Luer connection (4.0 mm O.D.) **REF 60-12-112** Box 10

15 I.D./ 22 O.D.  22 I.D. Standard **REF 60-12-200** Box 10

15 I.D./ 22 O.D.  22 I.D. with female Luer Lock connection **REF 60-12-201** Box 10

15 I.D./ 22 O.D.  22 I.D. with Luer connection (4.0 mm O.D.) **REF 60-12-202** Box 10

15 I.D./ 22 O.D.  22 I.D. with connection for temperature measuring (7.6 mm I.D.) **REF 60-12-203** Box 10





# Adapters / Connectors

## Straight Connectors

autoclavable up to 134°C, Material: PSU


22 I.D.  22 I.D. Standard **REF 60-12-300**  
Box 10


22 I.D.  22 I.D. with female Luer Lock connection **REF 60-12-301**  
Box 10

22 I.D.  22 I.D. with Luer connection (4.0 mm O.D.) **REF 60-12-302**  
Box 10


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15 I.D./  
22 O.D.  15 I.D./  
22 O.D. Standard **REF 60-12-400**  
Box 10


15 I.D./  
22 O.D.  15 I.D./  
22 O.D. with female Luer Lock connection **REF 60-12-401**  
Box 10

15 I.D./  
22 O.D.  15 I.D./  
22 O.D. with Luer connection (4.0 mm O.D.) **REF 60-12-402**  
Box 10


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15 O.D.  22 I.D. Standard **REF 60-50-002**  
Box 10


15 O.D.  22 I.D. with female Luer Lock connection **REF 60-12-501**  
Box 10

15 O.D.  22 I.D. with Luer connection (4.0 mm O.D.) **REF 60-12-502**  
Box 10

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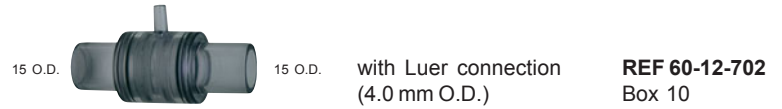
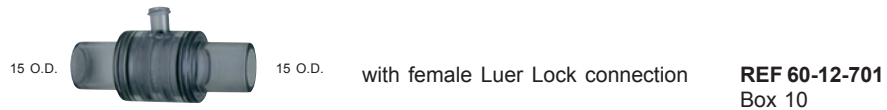
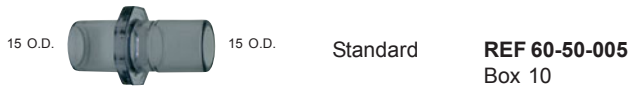
15 O.D.  15 I.D./  
22 O.D. Standard **REF 60-50-003**  
Box 10

15 O.D.  15 I.D./  
22 O.D. with female Luer Lock connection **REF 60-12-601**  
Box 10

15 O.D.  15 I.D./  
22 O.D. with Luer connection (4.0 mm O.D.) **REF 60-12-602**  
Box 10

## Straight Connectors

autoclavable up to 134°C, Material: PSU



## Straight Swivel Connectors

autoclavable up to 134°C



## Adapter Set in a box

consisting of:

- 10 pcs. Endo Adapter, REF 44-2535-020 to 44-2535-090
- 1 pc. Right Angled Swivel Connector, REF 60-60-005
- 7 pcs. Straight Connector REF:
  - 60-30-003, 60-30-005,
  - 60-40-003, 60-40-005,
  - 60-50-002, 60-50-003, 60-50-005

**REF 60-90-001**

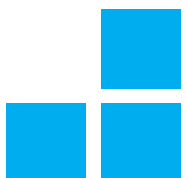


## Adapter Set in a case

consisting of:

- 11 pcs. Endo Adapter, REF 44-2535-020 to 44-2535-100
- 2 pcs. Right Angled Swivel Connector, REF 60-60-010, 60-65-004
- 11 pcs. Straight Connectors 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
- 1 pc. Right Angled Connector 90°, REF 60-12-000
- 1 pc. Uncoupling Wedge, REF 60-60-999





**REF 60-91-001**



# Adapters / Connectors




## Straight Connectors

for single use, Material: PC

	REF	Box
 22 I.D. 15 O.D.	<b>60-50-222</b>	10
 15 I.D./22 O.D. 15 O.D.	<b>60-50-333</b>	10
 15 O.D. 15 O.D.	<b>60-50-555</b>	10
 15 I.D./22 O.D. 15 O.D.	<b>60-60-333-1</b> sterile	10

## Right Angled Swivel Connectors

for single use, sterile, Material: PC

 15 O.D.	„Single Swivel“, closed	<b>REF 60-60-222-1</b>	Box 10
 15 I.D./22 O.D. 15 O.D.	„Single Swivel“ with 5.0 mm bronchoscope/suction cap	<b>REF 60-60-555-1</b>	Box 10
 15 I.D./22 O.D. 15 O.D.	„Double Swivel“ with 5.0 mm bronchoscope/suction cap	<b>REF 60-60-111-1</b>	Box 10

## Catheter Mount Tubings

for single use, sterile (only length: 15 cm)

### with straight connector

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

Length: 15 cm

Length: 30 cm

Length: 45 cm

**REF 60-50-150-1** Box 25

**REF 60-50-300** **REF 60-50-450** Box 10

**60-55-150-1** 25

**60-55-300** **60-55-450** 10

### with straight "single swivel" connector

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

Length: 15 cm

Length: 30 cm

Length: 45 cm

**REF 60-52-150-1** Box 25

**REF 60-52-300** **REF 60-52-450** Box 10

**60-57-150-1** 25

**60-57-300** **60-57-450** 10

### with right angled "single swivel" connector

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

Length: 15 cm

Length: 30 cm

Length: 45 cm



**REF 60-60-150-1** Box 25

**REF 60-60-300** **REF 60-60-450** Box 10

**60-80-150-1** 25

**60-80-300** **60-80-450** 10

### with right angled "single swivel" connector with 5.0 mm bronchoscope/suction cap

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

Length: 15 cm

Length: 30 cm

Length: 45 cm

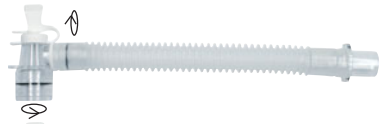

**REF 60-65-150-1** Box 25

**REF 60-65-300** **REF 60-65-450** Box 10

**60-85-150-1** 25

**60-85-300** **60-85-450** 10

### with right angled "double swivel" connector with 5.0 mm bronchoscope/suction cap

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

Length: 15 cm

Length: 30 cm

Length: 45 cm

**REF 60-68-150-1** Box 25

**REF 60-68-300** **REF 60-68-450** Box 10

**60-88-150-1** 25

**60-88-300** **60-88-450** 10

# Right Angled Swivel Connectors

autoclavable up to 134°C, Material: PSU



“Single Swivel”, closed  
REF 60-60-002 Box 10



“Single Swivel” with  
Luer Lock Connection  
REF 60-60-004 Box 10



“Single Swivel” with 5.0 mm  
bronchoscope/suction cap, clear  
REF 60-60-005 Box 10



“Single Swivel” with 3.0 mm  
bronchoscope/suction cap, blue  
REF 60-60-205 Box 10



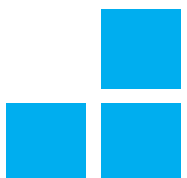
“Single Swivel” with 2.0 mm  
bronchoscope/suction cap, yellow  
REF 60-60-305 Box 10



„Double Swivel” with 5.0 mm  
bronchoscope/suction cap, clear  
REF 60-60-010 Box 10



“Single Swivel” with 5.0 mm  
bronchoscope/suction cap, clear and  
Luer Lock connection  
REF 60-60-006 Box 10



# Adapters / Connectors

## Right Angled Connectors

non swivelling, autoclavable up to 134°C, Material: PSU



closed

**REF 60-65-002** Box 10



with Luer Lock connection

**REF 60-65-004** Box 10



with 5.0 mm bronchoscope/  
suction cap, clear

**REF 60-65-005** Box 10

## Right Angled Connectors 90°

autoclavable up to 134°C, Material: PSU



closed

**REF 60-12-000** Box 10

ditto, but made of polycarbonate,  
autoclavable up to 121°C

**REF 60-13-000** Box 10



with female Luer Lock connection

**REF 60-12-001** Box 10

ditto, but made of polycarbonate,  
autoclavable up to 121°C

**REF 60-13-001** Box 10



with Luer connection (4.0 mm O.D.)

**REF 60-12-002** Box 10

## Uncoupling Wedge

autoclavable up to 134°C

**REF 60-60-999** Box 10





# Tube Inhaler

## for application of MDI canisters on intubated patients

autoclavable up to 134°C, Material: PSU

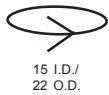
- compatible with any MDI canister
- spray application during inspiration
- easy to use
- no interruption of ventilation
- suction port (max. 16 CH)



**“Single Swivel“**

**REF 60-60-009**

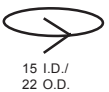
Box 10



**“Double Swivel“**

**REF 60-60-209**

Box 10



**“Single Swivel“**  
without suction port, for spray  
with counting mechanism

**REF 60-67-009**

Box 10



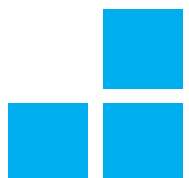
**Non swivelling**

**REF 60-65-009**

Box 10



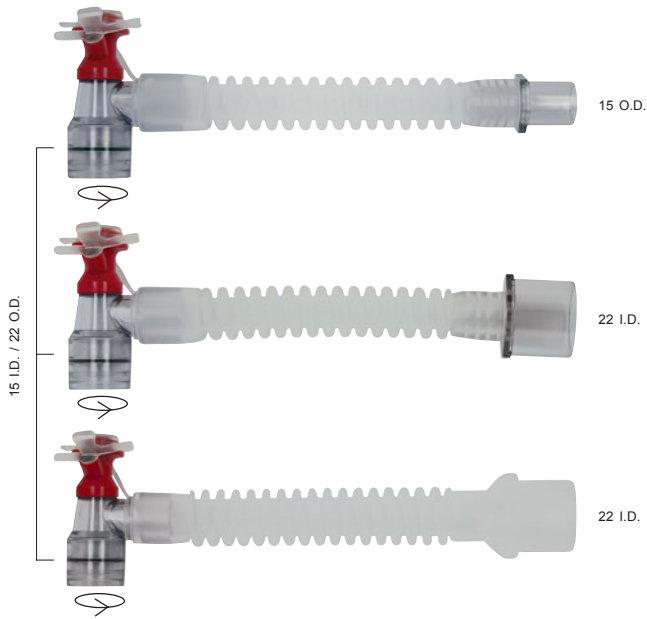
Suctioning with max. 16 CH



# Tube Inhaler

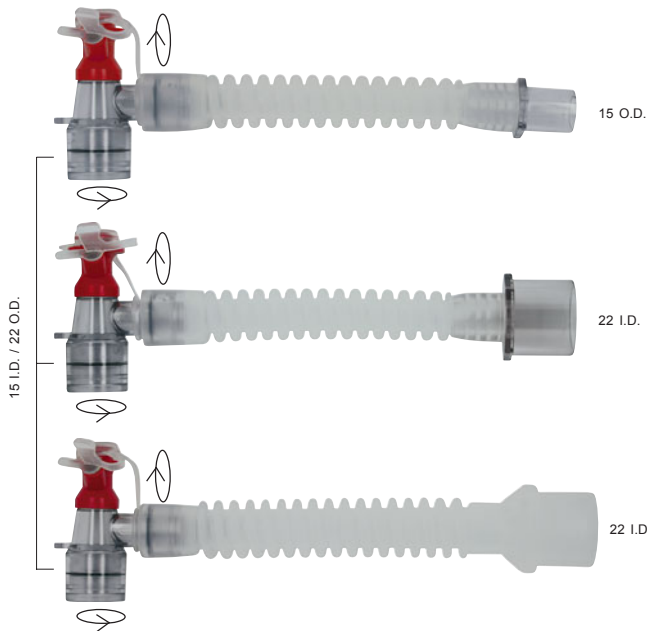
**Catheter Mount Tubings made of Silicone with Tube Inhaler**  
 autoclavable up to 134°C

**with Tube Inhaler „Single Swivel“ with suction port**



Length: 13 cm	16 cm	20 cm	23 cm	Box
<b>65-10-009</b>		<b>65-10-029</b>		10
<b>65-30-009</b>		<b>65-30-029</b>		10
	<b>65-40-009</b>		<b>64-40-029</b>	10

**with Tube Inhaler „Double Swivel“ with suction port**

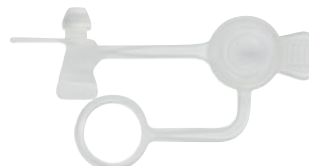


Length: 13 cm	16 cm	20 cm	23 cm	Box
<b>65-15-209</b>		<b>65-15-229</b>		10
<b>65-35-209</b>		<b>65-35-229</b>		10
	<b>65-45-209</b>		<b>64-45-229</b>	10

## Suction cap

made of Silicone, clear,  
 suitable for Tube Inhaler

**REF 60-60-119** Box 10





## Connector with lock for safe bronchoscopy and suctioning without leaks

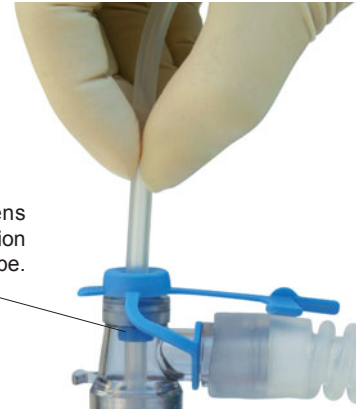
reusable, autoclavable up to 134°C

Material: PSU

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

Internal lock only opens after insertion of a suction catheter or bronchoscope.



“Single Swivel” with 5.0 mm bronchoscope/ suction cap, clear, suitable for suction catheter 18 CH and for bronchoscopes 5.0 mm O.D. and more

REF 60-60-070 Box 10



“Single Swivel” with 3.0 mm bronchoscope/ suction cap, blue, suitable for suction catheter 10, 12, 14, 16 CH and for bronchoscopes 3.0 mm O.D. and more

REF 60-60-270 Box 10



“Single Swivel” with 2.0 mm bronchoscope/ suction cap, yellow, suitable for suction catheter 6+8 CH and bronchoscopes 2.0 mm O.D. and more

REF 60-60-370 Box 10

## for single use, single sterile packed

Material: PC



“Single Swivel” with 5.0 mm bronchoscope/ suction cap, clear, suitable for suction catheter 18 CH and for bronchoscopes 5.0 mm O.D. and more

REF 60-60-061-1 Box 10



“Single Swivel” with 3.0 mm bronchoscope/ suction cap, blue, suitable for suction catheter 10, 12, 14, 16 CH and for bronchoscopes 3.0 mm O.D. and more

REF 60-60-261-1 Box 10



“Single Swivel” with 2.0 mm bronchoscope/ suction cap, yellow, suitable for suction catheter 6+8 CH and for bronchoscopes 2.0 mm O.D. and more

REF 60-60-361-1 Box 10

## Bronchoscope/Suction Caps

made of Silicone, for right angled connectors

Hole	Color code	REF	Box
2.0 mm	yellow	60-60-112	10
3.0 mm	blue	60-60-110	10
5.0 mm	clear	60-60-115	10

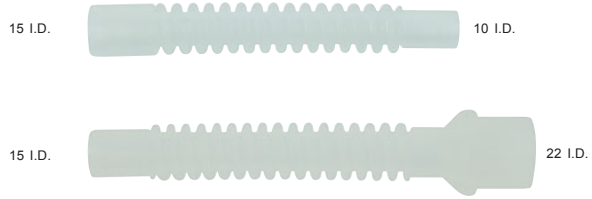


# Catheter Mount Tubings

## Catheter Mount Tubings, made of Silicone

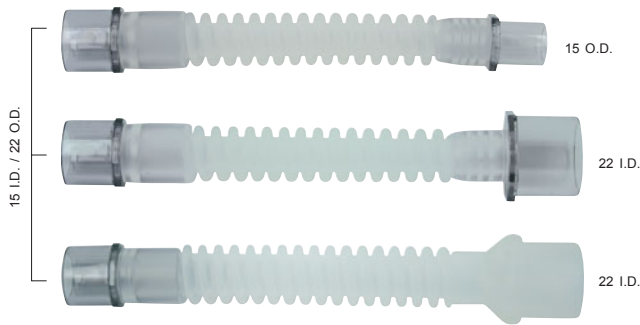
autoclavable up to 134°C

### without connectors



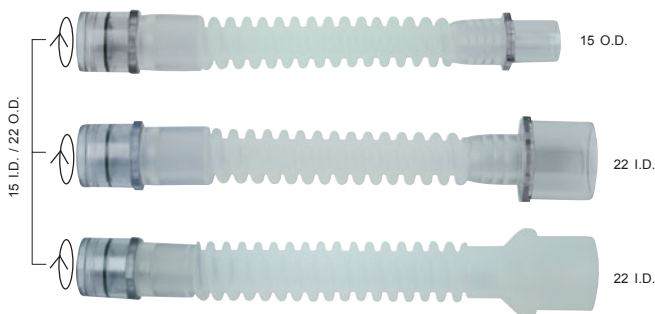
Length: 13 cm	16 cm	20 cm	23 cm	Box
<b>65-00-130</b>		<b>65-00-200</b>		10
	<b>65-00-160</b>		<b>64-00-230</b>	10

### with straight connector



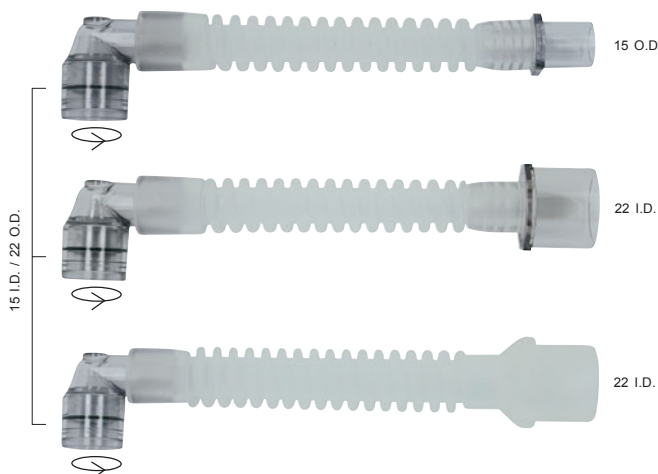
Length: 13 cm	16 cm	20 cm	23 cm	Box
<b>65-50-130</b>		<b>65-50-200</b>		10
<b>65-55-130</b>		<b>65-55-200</b>		10
	<b>65-55-160</b>		<b>64-55-230</b>	10

### with straight swivel connector „Single Swivel“



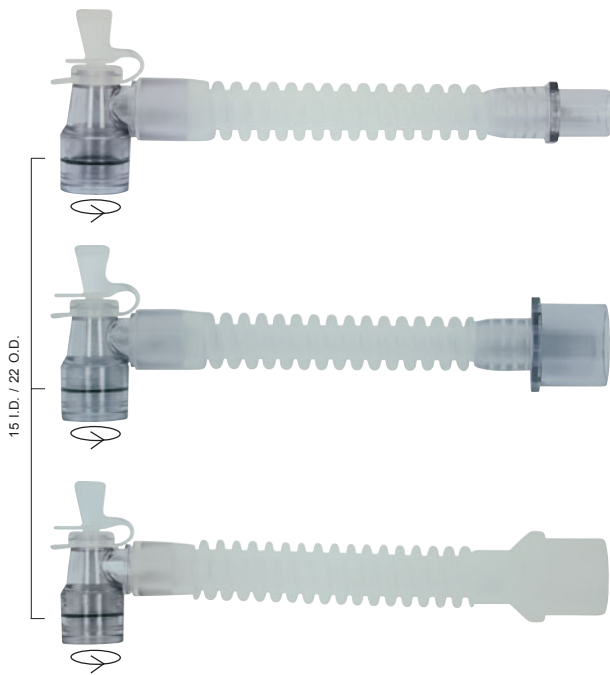
Length: 13 cm	16 cm	20 cm	23 cm	Box
<b>65-52-130</b>		<b>65-52-200</b>		10
<b>65-57-130</b>		<b>65-57-200</b>		10
	<b>65-57-160</b>		<b>64-57-230</b>	10

### with right angled swivel connector „Single Swivel“

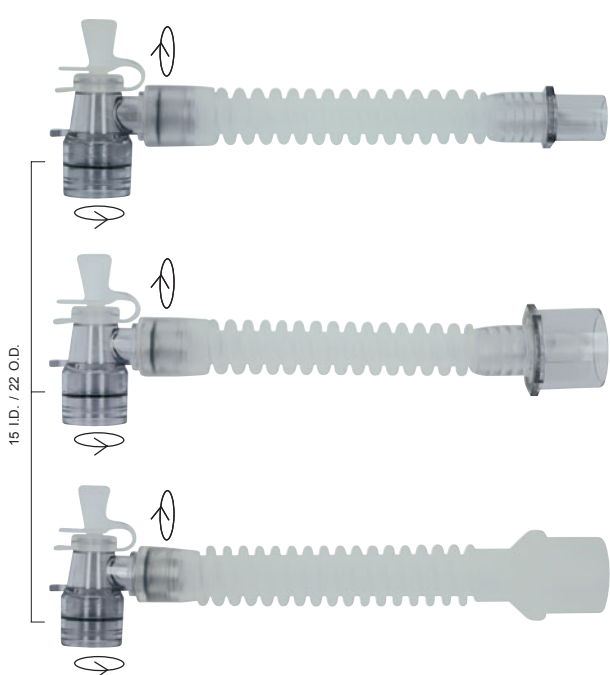


Length: 13 cm	16 cm	20 cm	23 cm	Box
<b>65-60-130</b>		<b>65-60-200</b>		10
<b>65-80-130</b>		<b>65-80-200</b>		10
	<b>65-80-160</b>		<b>64-80-230</b>	10

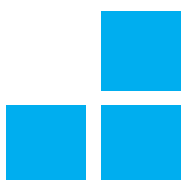
with right angled swivel connector „Single Swivel“ with 5.0 mm bronchoscope/suction cap

		Length: 13 cm	16 cm	20 cm	23 cm	Box
	15 O.D.	<b>65-65-130</b>		<b>65-65-200</b>		10
	22 I.D.	<b>65-85-130</b>		<b>65-85-200</b>		10
	22 I.D.		<b>65-85-160</b>		<b>64-85-230</b>	10

with right angled swivel connector „Double Swivel“ with 5.0 mm bronchoscope/suction cap

		Length: 13 cm	16 cm	20 cm	23 cm	Box
	15 O.D.	<b>65-68-130</b>		<b>65-68-200</b>		10
	22 I.D.	<b>65-88-130</b>		<b>65-88-200</b>		10
	22 I.D.		<b>65-88-160</b>		<b>64-88-230</b>	10

Further sizes are available on request.

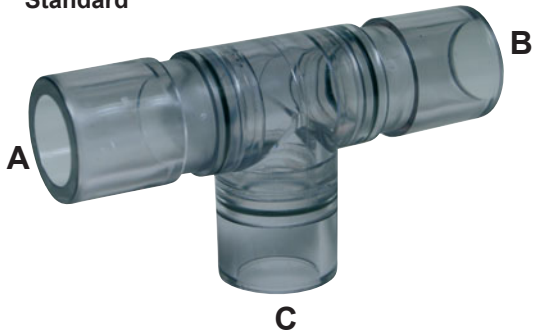


# Adapters / Connectors

## T-Connectors

autoclavable up to 134°C, Material: PSU

### Standard



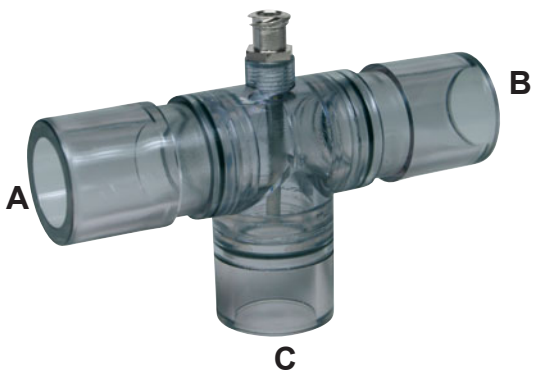
A	B	C	REF	Box
15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	<b>60-11-500</b>	10
22 I.D.	22 I.D.	15 I.D. / 22 O.D.	<b>60-11-502</b>	10
22 I.D.	15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	<b>60-11-503</b>	10
15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	22 I.D.	<b>60-11-504</b>	10
22 I.D.	22 I.D.	22 I.D.	<b>60-11-505</b>	10
22 I.D.	15 I.D. / 22 O.D.	22 I.D.	<b>60-11-506</b>	10

### with 5.0 mm bronchoscope/suction cap, clear



A	B	C	REF	Box
15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	<b>60-11-510</b>	10
22 I.D.	22 I.D.	15 I.D. / 22 O.D.	<b>60-11-512</b>	10
22 I.D.	15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	<b>60-11-513</b>	10
15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	22 I.D.	<b>60-11-514</b>	10
22 I.D.	22 I.D.	22 I.D.	<b>60-11-515</b>	10
22 I.D.	15 I.D. / 22 O.D.	22 I.D.	<b>60-11-516</b>	10

### with female Luer Lock made of metal



A	B	C	REF	Box
15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	<b>60-11-520</b>	10
22 I.D.	22 I.D.	15 I.D. / 22 O.D.	<b>60-11-522</b>	10
22 I.D.	15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	<b>60-11-523</b>	10
15 I.D. / 22 O.D.	15 I.D. / 22 O.D.	22 I.D.	<b>60-11-524</b>	10
22 I.D.	22 I.D.	22 I.D.	<b>60-11-525</b>	10
22 I.D.	15 I.D. / 22 O.D.	22 I.D.	<b>60-11-526</b>	10

## Straight Connectors with One-Way-Valve

autoclavable up to 134°C, Material: PSU

flow direction see arrow



## Right Angled Y-Connectors

autoclavable up to 134°C, Material: PSU

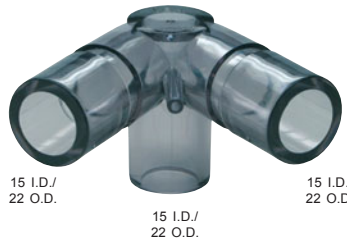
### Standard

REF 60-11-300 Box 10



### with Luer tube connection (4.0 mm O.D.)

REF 60-11-301 Box 10



### with female Luer Lock made of metal

REF 60-11-302 Box 10



## Connecting Tubings 1.5 mm I.D. / 2.5 mm O.D. for CO<sub>2</sub> and pressure measuring

in 3-layer technology from PVC/EVA/PE, with two male Luer Lock

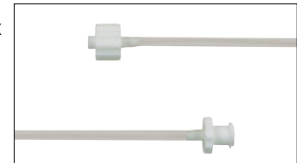
Length	REF	Box
150 cm	61-99-150	10
200 cm	61-99-200	10
300 cm	61-99-300	10



## Connecting Tubings 1.5 mm I.D. / 3.0 mm O.D. for CO<sub>2</sub> and pressure measuring

from Polyurethane (PUR), with one male and one female Luer Lock

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



## Straight Y-Connectors

autoclavable up to 134°C, Material: PSU

### “Single Swivel“ Standard

REF 60-10-100 Box 10



### “Single Swivel“ with female Luer Lock

REF 60-10-101 Box 10



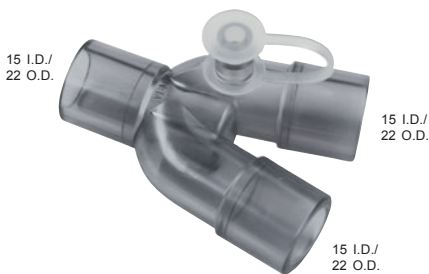
### Standard

REF 60-11-200 Box 10



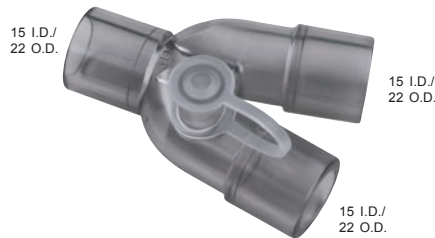
### with connection for pressure measuring (6.0 mm I.D.)

REF 60-11-202 Box 10



### with connection for temperature probes (7.6 mm I.D.)

REF 60-11-203 Box 10



### with connection for pressure measuring (6.0 mm I.D.) and temperature probes (7.6 mm I.D.)

REF 60-11-204 Box 10



### Plug made of Silicone

for Y-Connectors REF 60-11-202, ...-203, ...-204

REF 60-11-999 Box 1





## Right Angled Y-Connectors with adjustable connections

autoclavable up to 134°C, Material: PSU

### Standard

**REF 60-11-400** Box 10



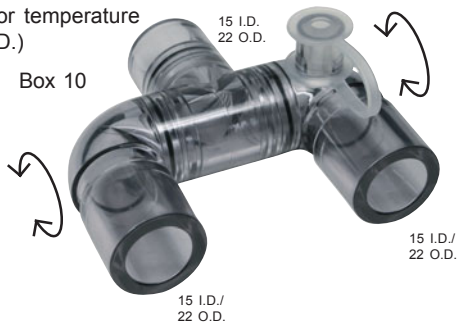
with female Luer Lock

**REF 60-11-401** Box 10



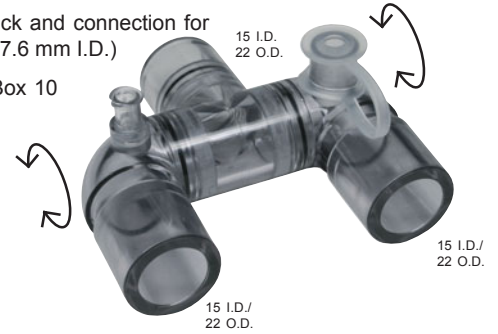
with connection for temperature probes (7.6 mm I.D.)

**REF 60-11-402** Box 10



with female Luer Lock and connection for temperature probes (7.6 mm I.D.)

**REF 60-11-403** Box 10



with 5.0 mm bronchoscope/suction cap, clear

**REF 60-11-410** Box 10



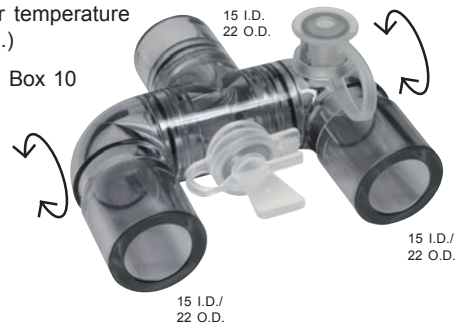
with female Luer Lock

**REF 60-11-411** Box 10



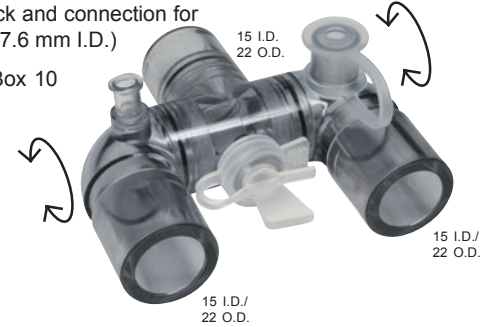
with connection for temperature probes (7.6 mm I.D.)

**REF 60-11-412** Box 10



with female Luer Lock and connection for temperature probes (7.6 mm I.D.)

**REF 60-11-413** Box 10



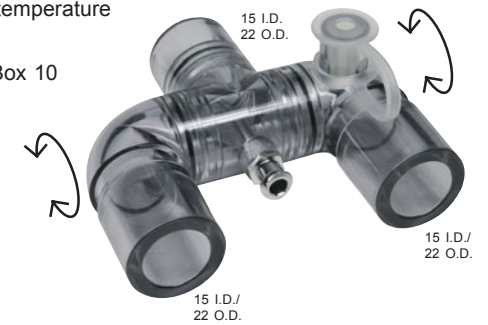
with female Luer Lock made of metal

**REF 60-11-420** Box 10



with connection for temperature probes (7.6 mm I.D.)

**REF 60-11-422** Box 10



**Luer Lock Connection**  
right angled, made of Nylon  
autoclavable up to 134°C

**REF 60-11-888** Box 10



**5.0 mm Bronchoscope/Suction Cap**  
made of Silicone, clear

**REF 60-60-115** Box 10



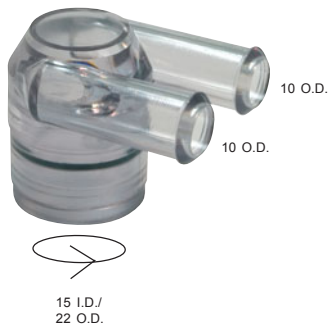
# Pediatric Connectors

## Right Angled Y-Connectors for Pediatric, swivelling

autoclavable up to 134°C, Material: PSU

### “Single Swivel“ Standard

REF 60-20-100 Box 10



### “Single Swivel“ with female Luer Lock made of metal

REF 60-20-101 Box 10



### “Single Swivel“ with 3.0 mm bronchoscope/suction cap, blue, also suitable for temperature probes

REF 60-20-200 Box 10



### “Single Swivel“ with 3.0 mm bronchoscope/suction cap and Luer Lock blue, also suitable for temperature probes

REF 60-20-201 Box 10



## Right Angled Y-Connectors for Pediatric

autoclavable up to 134°C

### “Single Swivel“, closed with two pediatric catheter mount tubings with 15.0 mm connectors

REF 65-20-100 Box 10



### “Single Swivel“ with 3.0 mm bronchoscope/suction cap and two pediatric catheter mount tubings with 15.0 mm connectors

REF 65-20-200 Box 10



## Catheter Mount Tubings for Pediatric

autoclavable up to 134°C, Silicone

Length: 9.0 cm REF 65-00-090 Box 10



Length: 10.5 cm REF 65-00-105 Box 10



# Pediatric Connectors

## Right Angled Y-Connectors for Pediatric Ultra light version

autoclavable up to 134°C, Material: PMP

**Standard with Luer connection**  
(4.0 mm O.D.)

**REF 60-20-300** Box 10



**with female Luer Lock connection**

**REF 60-20-301** Box 10



**with Luer connection**

(4.0 mm O.D.) and with 2.0 mm bronchoscope/suction cap, yellow

**REF 60-20-400** Box 10

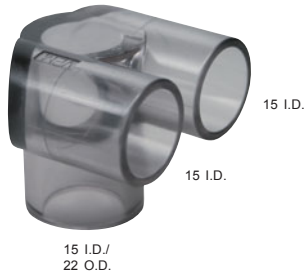


## Right Angled Y-Connectors for Pediatric

autoclavable up to 134°C, Material: PSU

**Standard**

**REF 60-20-600** Box 10



**with connection for pressure measuring**  
(6.0 mm I.D.)

**REF 60-20-602** Box 10



**with connection for temperature probes**  
(7.6 mm I.D.)

**REF 60-20-603** Box 10



## Straight Connectors

suitable for REF 60-20-60x, autoclavable up to 134°C, Material: PSU



**REF 60-30-005** Box 10



**REF 60-40-005** Box 10

## Straight Connectors

with temperature port autoclavable up to 134°C, Material: PSU



**REF 60-20-703** Box 10



**REF 60-20-713** Box 10

## Straight Y-Connectors for Pediatric, swivelling

autoclavable up to 134°C, Material: PSU



**“Single Swivel” Standard**

**REF 60-20-500** Box 10



**“Single Swivel” with female Luer Lock made of metal**

**REF 60-20-501** Box 10

## Bronchoscope/Suction Cap

made of Silicone, for Y-Connectors

Hole	Color code	REF	Box
3.0 mm	blue	<b>60-60-110</b>	10
2.0 mm	yellow	<b>60-60-112</b>	10



## Plug

made of Silicone, for Y-Connectors

REF 60-20-602, ...-603

**REF 60-11-999** Box 1





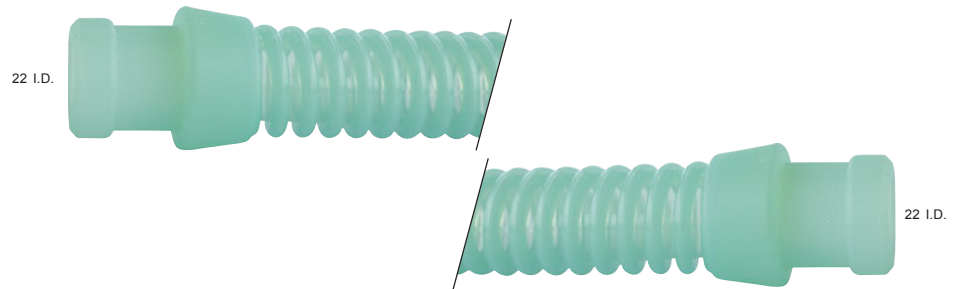
# Respiration Tubings

## 19 mm Respiration Tubings for Adults made of Silicone

autoclavable up to 134°C

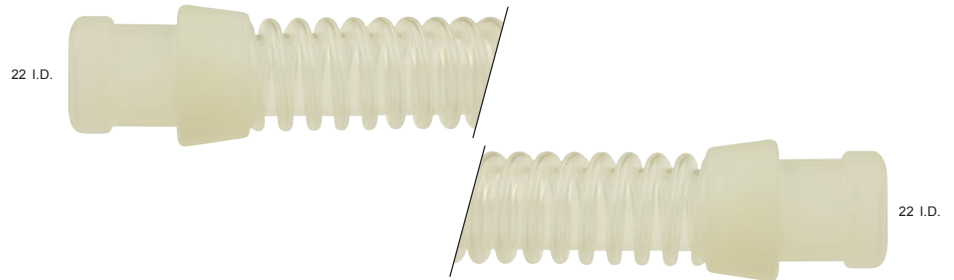
Color: light green (coil), clear (tube),

Length	REF	Box
30 cm	<b>66-22-030</b>	1
40 cm	<b>66-22-040</b>	1
60 cm	<b>66-22-060</b>	1
80 cm	<b>66-22-080</b>	1
90 cm	<b>66-22-090</b>	1
110 cm	<b>66-22-110</b>	1
130 cm	<b>66-22-130</b>	1
150 cm	<b>66-22-150</b>	1
180 cm	<b>66-22-180</b>	1
200 cm	<b>66-22-200</b>	1



Color: clear (coil and tube)

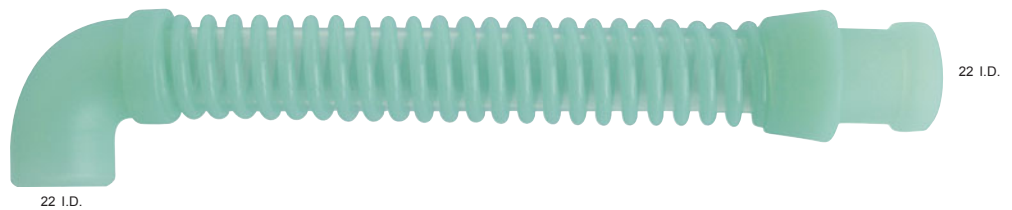
Length	REF	Box
30 cm	<b>66-22-030tr</b>	1
40 cm	<b>66-22-040tr</b>	1
60 cm	<b>66-22-060tr</b>	1
80 cm	<b>66-22-080tr</b>	1
90 cm	<b>66-22-090tr</b>	1
110 cm	<b>66-22-110tr</b>	1
130 cm	<b>66-22-130tr</b>	1
150 cm	<b>66-22-150tr</b>	1
180 cm	<b>66-22-180tr</b>	1
200 cm	<b>66-22-200tr</b>	1



## 19 mm Respiration Tubings for Adults with angled cuff made of Silicone

Color: light green (coil), clear (tube), autoclavable up to 134°C

Length	REF	Box
25 cm	<b>66-22-925</b>	1
40 cm	<b>66-22-940</b>	1

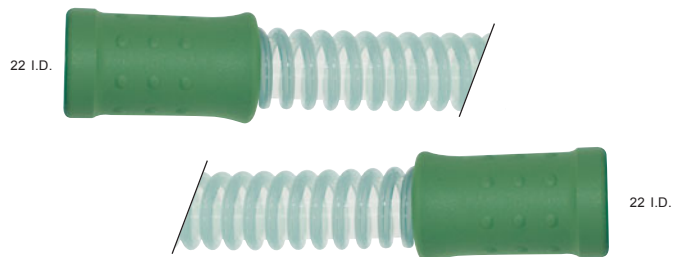


## 16 mm "Lightweight Tubings" for Adults made of Silicone

Color: light green (coil), clear (tube), autoclavable up to 134°C

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

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



### Hook made of Silicone

for 9 mm / 19 mm Respiration Tubings

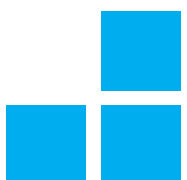
REF 66-00-002 Box 5



### Straight Connector

to connect and extend Adult Silicone Respiration Tubings with 22 mm cuffs, Material: POM, autoclavable up to 134°C

REF 60-15-110 Box 1



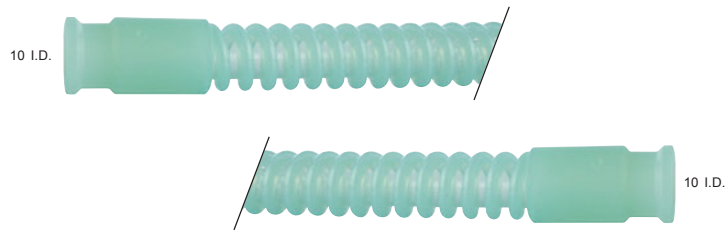
# Respiration Tubings

## 9 mm Respiration Tubings for Pediatric made of Silicone

Color: light green (coil), clear (tube), autoclavable up to 134°C

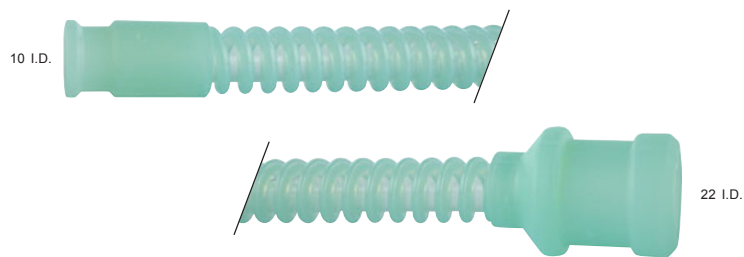
### with 10 mm cuff at both ends

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



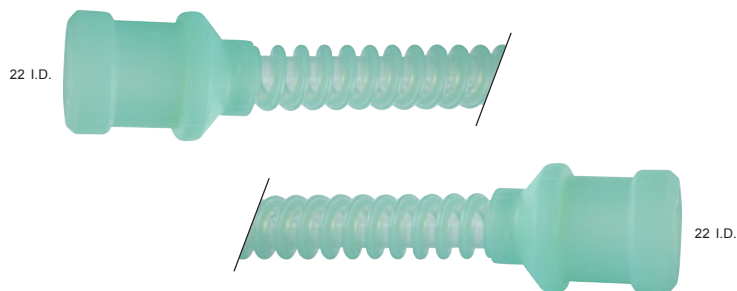
### with 10 mm/22 mm cuffs

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



### with 22 mm cuff at both ends

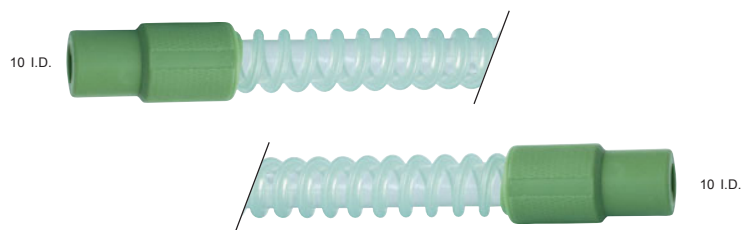
Length	REF	Box
25 cm	66-12-025	1
60 cm	66-12-060	1
85 cm	66-12-085	1
110 cm	66-12-110	1
130 cm	66-12-130	1
150 cm	66-12-150	1
170 cm	66-12-170	1
200 cm	66-12-200	1



## 9 mm "Lightweight Tubings" for Pediatric made of Silicone

Color: light green (coil), clear (tube), autoclavable up to 134°C

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



### with 10 mm cuff at both ends

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 & Water Traps

## Rebreathing Bags made of Silicone

clear, with 22 mm cuff and loop  
autoclavable up to 134°C

### 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

Size	REF	Box
500 ml	66-00-041	1
1000ml	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

autoclavable up to 134°C, Material: PSU

### Adult

REF 66-40-500 Box 6



REF 66-40-520 Box 6



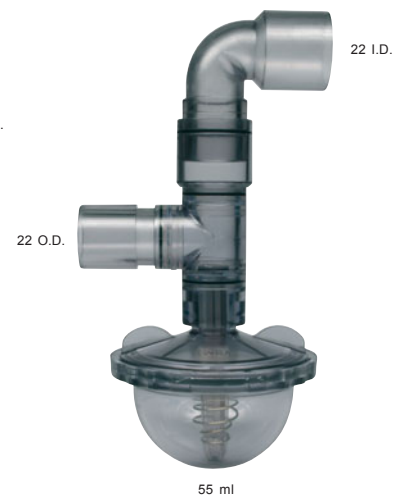
### Child

REF 66-40-510 Box 6



### Respirator Water Trap

REF 66-40-511 Box 6



## Anesthetic System for Pediatric

reusable, autoclavable up to 134°C

consisting of:

- 2 x 9.0 mm Silicone Respiration Tubing REF 66-11-110
- 1 x 9.0 mm Silicone Respiration Tubing REF 66-12-110
- 1 x Right Angled Y-Connector REF 60-20-100
- 1 x Silicone Rebreathing Bag, 500 ml REF 66-00-011
- 1 x Straight Connector REF 60-12-110

REF 62-11-200 Box 1



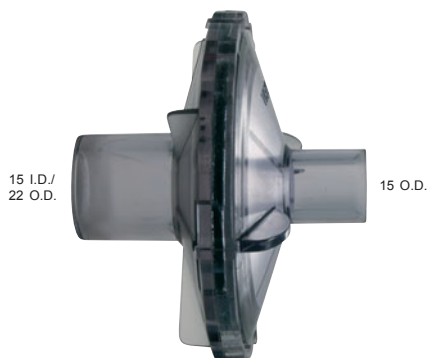
# Bacterial-/Viral Filters

## Bacterial-/Viral Filters

reusable, autoclavable up to 134°C

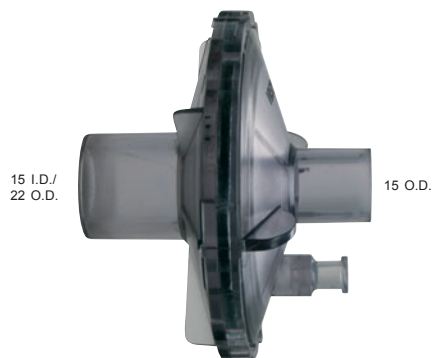
### Standard

REF 61-20-100 Box 10



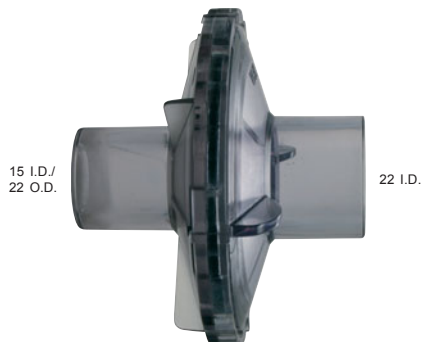
### with female Luer Lock

REF 61-20-150 Box 10



### Standard

REF 61-20-200 Box 10



### with female Luer Lock

REF 61-20-250 Box 10



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## Heat and Moisture Exchangers (HME) with Bacterial-/Viral Filters

reusable, autoclavable up to 134°C

### Standard

REF 61-20-300 Box 10



### with female Luer Lock

REF 61-20-350 Box 10



### Standard

REF 61-20-400 Box 10



### with female Luer Lock

REF 61-20-450 Box 10



# Heat and Moisture Exchangers (HME)

reusable, autoclavable up to 134°C

## Standard

REF 61-20-500 Box 10



## with female Luer Lock

REF 61-20-550 Box 10



## Standard

REF 61-20-600 Box 10



## with female Luer Lock

REF 61-20-650 Box 10



# Spare Membranes

for single use



for Bacterial-/Viral Filter, clean packed  
for Bacterial-/Viral Filter, single sterile packed

REF 61-21-100 Box 100  
REF 61-21-100-1 Box 40



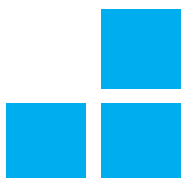
for HME with Bacterial-/Viral Filter,  
single sterile packed

REF 61-21-300-1 Box 50



for Heat and Moisture Exchanger,  
single sterile packed

REF 61-21-500-1 Box 50



## Jackson Rees Systems

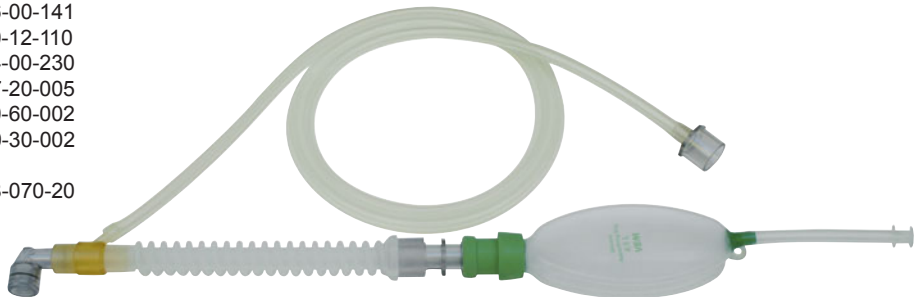
autoclavable up to 134°C

### Jackson Rees System I

consisting of:

- Silicone Rebreathing Bag 500 ml  
with open tube connection and cap REF 66-00-141
- Connector 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Silicone Tube REF 64-00-230
- T-Connector REF 67-20-005
- Right Angled Swivel Connector REF 60-60-002
- Connector 22 mm I.D. REF 60-30-002
- O<sub>2</sub> Tubing made of Silicone,  
Length: 1.80 m REF 68-070-20

**REF 67-12-000** Box 1



### Jackson Rees System I

similar to 67-12-000, but with Silicone Rebreathing Bag 500 ml with hole, REF 66-00-441

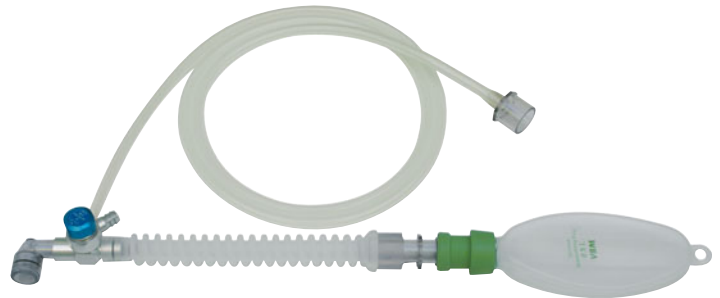
**REF 67-11-000** Box 1

### Jackson Rees System II

consisting of:

- Silicone Rebreathing Bag 500 ml REF 66-00-011
- Connector 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Silicone Tube REF 64-00-230
- Jackson Rees Valve REF 67-10-002
- Right Angled Swivel Connector REF 60-60-002
- Connector 22 mm I.D. REF 60-30-002
- O<sub>2</sub> Tubing made of Silicone,  
Length: 1.80 m REF 68-070-20

**REF 67-12-100** Box 1

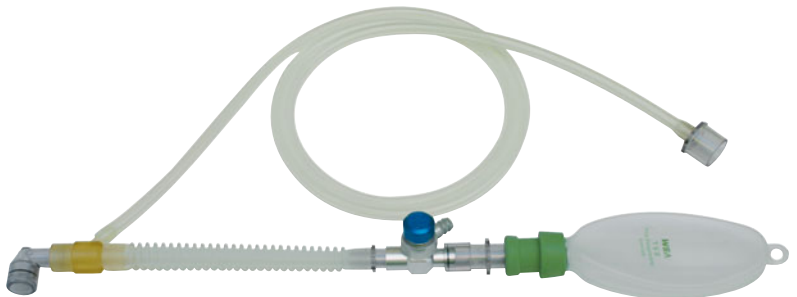


### Jackson Rees System III

consisting of:

- Silicone Rebreathing Bag 500 ml REF 66-00-011
- Connector 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Jackson Rees Valve REF 67-10-222
- Connector REF 60-40-005
- Silicone Tube REF 65-00-200
- Ayres T-Piece REF 67-20-005
- Right Angled Swivel Connector REF 60-60-002
- Connector 22 mm I.D. REF 60-30-002
- O<sub>2</sub> Tubing made of Silicone,  
Length: 1.80 m REF 68-070-20

**REF 67-12-200** Box 1



### Jackson Rees System IV

consisting of:

- Silicone Rebreathing Bag 500 ml REF 66-00-011
- Connector 22 mm O.D. to 22 mm O.D. REF 60-12-110
- Jackson Rees Valve REF 67-10-002
- Right Angled Swivel Connector REF 60-60-002
- Connector 22 mm I.D. REF 60-30-002
- O<sub>2</sub> Tubing made of Silicone,  
Length: 1.80 m REF 68-070-20

**REF 67-12-300** Box 1





## Waters Breathing System / Mapleson C

autoclavable up to 134°C

consisting of:

- Silicone Rebreathing Bag 2300 ml      REF 66-00-013
- Waters Expiratory Valve                REF 67-10-003
- Right Angled Swivel Connector        REF 60-60-002
- Connector 22 mm I.D.                    REF 60-30-002
- O<sub>2</sub> Tubing made of Silicone,  
Length: 1.80 m                              REF 68-070-20

**REF 67-12-500**      Box 1



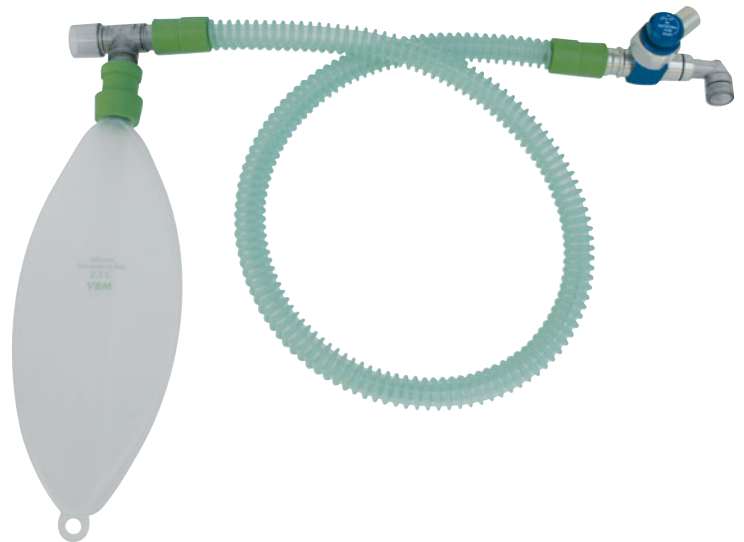
## Magill Breathing System / Mapleson A

autoclavable up to 134°C

consisting of:

- T-Connector 22 mm I.D.                REF 60-11-533
- 16 mm Silicone Respiration  
Tubing, Length: 1.80 m                REF 69-16-180
- Magill Expiratory Valve                REF 67-10-333
- Right Angled Swivel Connector        REF 60-60-002
- Silicone Rebreathing Bag 2300 ml    REF 66-00-013

**REF 67-12-600**      Box 1



### Expiratory Valves

made of metal, autoclavable up to 134°C

Waters Valve with O<sub>2</sub> connection

**REF 67-10-003**  
Box 1



Magill Valve without O<sub>2</sub> connection

**REF 67-10-333**  
Box 1



### Jackson Rees Expiratory Valves

made of metal, autoclavable up to 134°C

with O<sub>2</sub> connection

**REF 67-10-002**  
Box 1



without O<sub>2</sub> connection

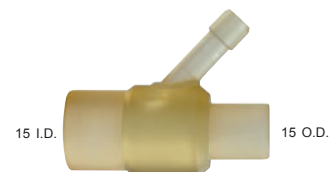
**REF 67-10-222**  
Box 1



### Ayres T-Pieces

made of PSU, autoclavable up to 134°C

45°      **REF 67-20-005**      Box 1



90°      **REF 67-20-004**      Box 1











# Tube Holders / Support Arms

## Anesthetic Tube Holders with flexible rod

- adjustable in height, length of support arm: 38 cm
- clamp and holder optional according to schema











	Universal tube holder plate	Swivelling universal tube holder plate	Universal tube holder plate with safety lock	Twin tube holder, plastic	Holder for co-axial systems
Universal 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 Holders with one joint and flexible rod

- adjustable in height, length of support arm: 45 cm
- clamp and holder optional according to schema



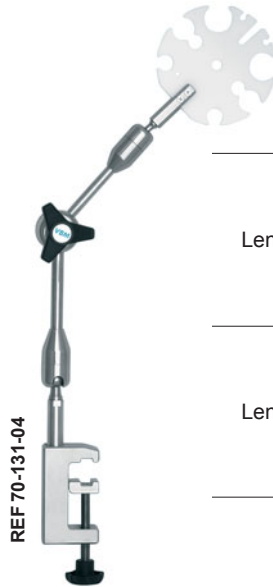
	Universal tube holder plate	Swivelling universal tube holder plate	Universal tube holder plate with safety lock	Twin tube holder, plastic	Holder for co-axial systems
Universal rail clamp					
	REF 74-412-04	REF 74-412-14	REF 74-412-44	REF 74-412-23	REF 74-412-25
Universal clamp					
	REF 74-432-04	REF 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 three joints

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

### Anesthetic Tube Holders with three joints and universal clamp

- available in length: 30 cm and 50 cm
- holder optional according to schema



Universal tube holder plate



Universal 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 Arms with three joints, swinging head and universal clamp

- available in length: 100 cm and 120 cm
- holder optional according to schema



Single tube holder



Twin tube holder, metal



Twin tube holder, plastic



Small universal tube holder plate with safety lock



Universal tube holder plate with safety lock



Length: 100 cm

**REF 70-353-01**

**REF 70-353-02**

**REF 70-353-23**

**REF 70-353-33**

**REF 70-353-44**

Length: 120 cm

**REF 70-653-01**

**REF 70-653-02**

**REF 70-653-23**

**REF 70-653-33**

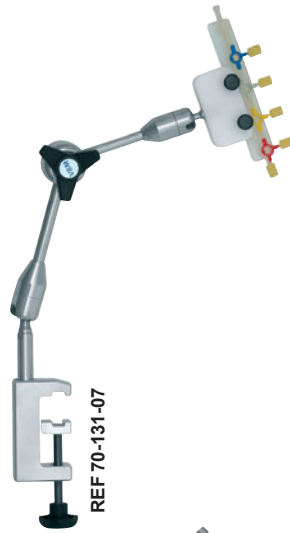
**REF 70-653-44**

# Tube Holders / Support Arms

## Support Arms with three joints

**Pressure Transducer Holders with three joints, universal clamp and clamping piece for transducer plates**

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



**Endoscope Holders with three joints and universal clamp adjustable in height**

Length: 50 cm    **REF 70-251-06**  
 for rigid endoscopes  
 for flexible endoscopes    **REF 70-251-66**



## Support Arms with three joints, separate



Length: 30 cm    **REF 70-100-00**  
 Length: 50 cm    **REF 70-200-00**  
 Length: 100 cm    **REF 70-300-00**  
 Length: 120 cm    **REF 70-600-00**

# Fixation Clamps

**Universal clamp 30 x 50 mm**  
with M8 internal thread

REF 79-030-00

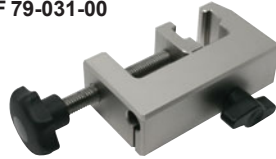


**Universal clamp 30 x 50 mm**  
with 11 mm hole for support arms adjustable in height

REF 79-039-00

with 8 mm hole for Rüscher Support Arm „Ulmer Fixator“

REF 79-031-00



**Universal clamp 50 x 50 mm**  
with Allen screw M8x80

REF 79-050-00



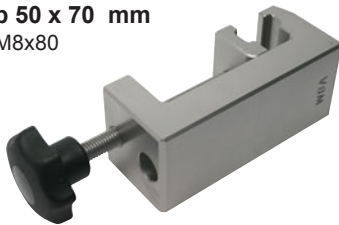
**Universal clamp 50 x 50 mm**  
with 16 mm hole for support arms adjustable in height

REF 79-059-00



**Universal clamp 50 x 70 mm**  
with Allen screw M8x80

REF 79-070-00



**Universal rail clamp 25 x 10 mm**  
with M8 internal thread

REF 79-020-00



**Universal rail clamp 25 x 10 mm**  
with 11 mm hole for support arms adjustable in height

REF 79-010-00

with 8 mm hole for Rüscher Support Arm „Ulmer Fixator“

REF 79-011-00



**Rail clamp with quick lock for standard rail 25 x 10 mm**  
with M8 internal thread

REF 79-060-00



**Rail clamp with quick lock for standard rail 25 x 10 mm**  
with 11 mm hole for support arms adjustable in height

REF 79-040-00

with 8 mm hole for Rüscher Support Arm „Ulmer Fixator“

REF 79-041-00



**Draeger rail clamp 25 x 10 mm**  
with M8 internal thread  
REF 79-090-00



**Bennett Adapter**  
swivelling,  
with M10 internal thread  
REF 79-099-00



**Bennett rail clamp**  
with M10 internal thread  
REF 79-058-00



# Attachment Devices

## Flexible intermediate pieces

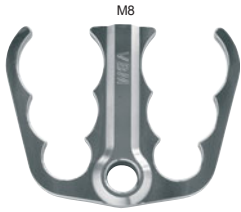


Flexible rod, length: 13 cm **REF 79-002-00**



Swinging head, length: 20 cm **REF 79-003-00**

## Attachment devices for respiration tubings



Twin tube holder  
**REF 79-000-02**



Distance holder, fits to twin tube holder (without twin tube holder)  
**REF 79-000-20**



Ball holder with flexible rod **REF 79-000-05**



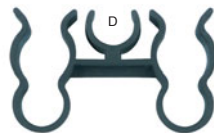
Pediatric tube holder plate  
**REF 79-000-03**



Twin tube holder with ball, metal, fits to Draeger holder  
**REF 79-000-22**



Twin tube holder with ball, plastic, fits for Draeger holder  
**REF 79-000-21**



Tube guide clip for support arms  
D=16 mm, black **REF 79-000-56**  
D=12 mm, blue **REF 79-000-57**  
D=10 mm, white **REF 79-000-58**



Twin tube holder, plastic  
**REF 79-000-23**



Universal tube holder plate  
**REF 79-000-04**



Universal tube holder plate with safety lock  
**REF 79-000-44**



Small Universal tube holder plate with safety lock  
**REF 79-000-33**



Holder for co-axial systems  
**REF 79-000-25**



Universal tube holder plate with one larger opening for co-axial systems  
**REF 79-000-04S2**



Universal tube holder plate, swivelling  
**REF 79-000-14**



Single tube holder for tubings 28-32 mm  
**REF 79-000-01**

Single tube holder for tubings 25-29 mm  
**REF 79-000-11**



Universal rail clamp with tube holder plate for suction tubings  
**REF 79-020-00S2**





Endoscope holder  
for rigid endoscopes  
**REF 79-000-06**



Endoscope holder  
for flexible endoscopes  
**REF 79-000-66**



Clamping piece  
for transducer plate  
**REF 79-000-07**



Tube clip, for support arms  
with Ø 10 mm and 12 mm  
**REF 79-000-50** Box 5

## Holders for pressure transducer plates and stop-cocks

autoclavable up to 134°C



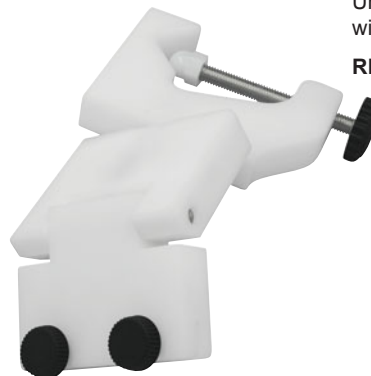
Stop-cock holder  
**REF 78-10-000**



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 above mentioned holders

autoclavable up to 134°C



for 2 pressure transducers  
**REF 79-000-52**



for 4 pressure transducers  
**REF 79-000-54**

for 2 Braun pressure transducers  
**REF 79-000-72**

for 4 Braun pressure transducers  
**REF 79-000-74**



for 3 pressure transducers  
**REF 79-000-53**

for 3 Braun pressure transducers  
**REF 79-000-73**

**Tube arrangement plate**  
for 26 tubings of different diameters and to connect to the Holder for  
pressure transducer plates and stop-cocks

**REF 79-000-55**



# Pressure Infusion Cuffs

## Pressure Infusion Cuffs

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



### Pressure Infusion Cuffs 500 ml reusable

with hand inflator

REF

51-05-050

with hand inflator and manometer

51-06-050

with hand inflator and manometer  
(shock resistant precision manometer)

51-08-050



### Pressure Infusion Cuffs 1000 ml pocket version with zip, reusable

with hand inflator

REF

52-05-100

with hand inflator and manometer

52-06-100

with hand inflator and manometer  
(shock resistant precision manometer)

52-08-100



### Pressure Infusion Cuffs 1000 ml Wrap-Around Design with velcro, reusable

with hand inflator

REF

53-05-100

with hand inflator and manometer

53-06-100

with hand inflator and manometer  
(shock resistant precision manometer)

53-08-100



**for single patient use**

**500 ml**

with hand inflator, three-way stop cock and pressure indicator  
with hand inflator and three-way stop cock

REF

**56-02-050**

**56-03-050**

**1000 ml**

with hand inflator, three-way stop cock and pressure indicator  
with hand inflator and three-way stop cock

REF

**56-02-100**

**56-03-100**



**VBM Infusor**

**Transparent Pressure Infusion Cuffs  
Wrap-Around Design, reusable**

**500 ml**

with hand inflator and color coded pressure indicator

REF

**57-02-050**

with manometer and hand inflator  
(shock resistant precision manometer)

**57-08-050**

**1000 ml**

with hand inflator and color coded pressure indicator

REF

**57-02-100**

with manometer and hand inflator  
(shock resistant precision manometer)

**57-08-100**

**Tourniquet "Tourny I"**

with stainless steel buckle

REF 20-30-000 Box 20



**Tourniquet "Tourny II"**

with aluminum 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

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.

## Complete Set

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

**REF 30-55-500**

ditto but,  
color: military green

**REF 30-55-501**

- 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 adults and children
- cost effective alternative to electrical and foot powered devices
- soft and atraumatic suction tips
- valve prevents backflow of liquids to the patient
- MRI proof
- 15 mm I.D. connection
  - fits directly to the ET Tube
  - allows connection of included suction tips
  - allows connection of included catheter adapter for funnel shape suction catheters



### 250 ml Canister

for adults, with cap

**REF 30-56-250** Box 10



### 50 ml Canister

for children, with cap

**REF 30-56-050** Box 10

### Suction Cap

with 15 mm I.D. connection

**REF 30-56-001** Box 10



### Catheter Adapter

for funnel shape suction catheters

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



### Carry Bag

fits pump, canisters, suction tips

**REF 30-64-000**



### Suction Tip

large, 36 CH

**REF 30-57-812** Box 10



medium, 28 CH

**REF 30-57-609** Box 10



small, 14 CH

**REF 30-57-305** Box 10



## Airway Management Simulators "BILL"

The simulators offer the possibility to train Endotracheal Intubation, Bronchoscopy, Fiberoptic Intubation, Cricothyrotomy, Jet Ventilation, Mask Ventilation and the use of Laryngeal Tube, Combitube or the Laryngeal Mask.

### "BILL I"

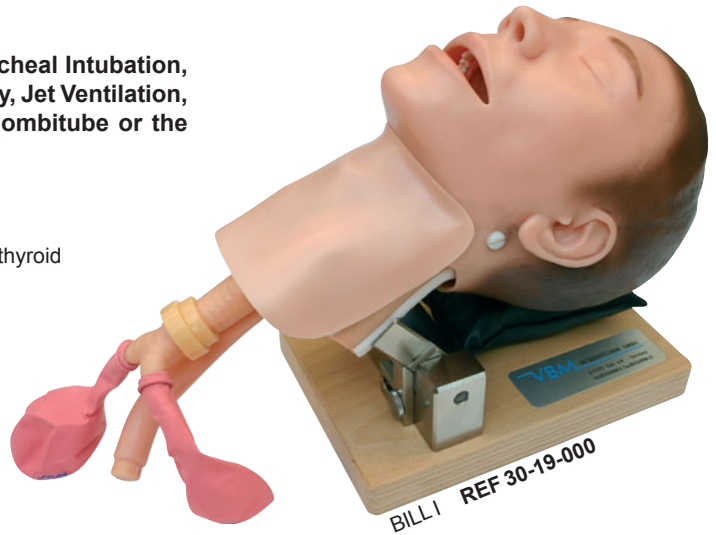
in an aluminium case complete with base, exchangeable skin, thyroid cartilage and carina with balloons (bayonet lock)

REF 30-19-000

### "BILL II"

ditto, but with bronchial tree acc. to Dr. Nakhosteen (bayonet lock)

REF 30-18-000



Bronchial Tree

REF 30-19-400



Skin

REF 30-19-222



Thyroid Cartilage

REF 30-19-111



Stomach

REF 30-19-300



## Transparent Heads

with upper airways, cross section

### Adult

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

REF 30-16-000

### Newborn

for demonstration and positioning of Laryngeal Tube # 0

REF 30-16-100



## Cricothyrotomy Trainer

offers the possibility to train Cricothyrotomy and transtracheal puncture.

Complete with exchangeable skin and thyroid cartilage

REF 30-15-000



Thyroid Cartilage

REF 30-19-111



Skin

REF 30-15-222



## Frova Crico-Trainer

offers the possibility to train Cricothyrotomy and percutaneous tracheostomy.

Complete with 10 skins and 10 tracheas

REF 30-14-000



Skin  
Box 10

REF 30-14-222



Larynx  
Box 1

REF 30-14-111



Trachea  
Box 10

REF 30-14-444



## Crico-Trainer

with fixation for pig tracheas

Complete with 10 skins

REF 30-14-500





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