

Anesthesia Intensive Care



VBM Medizintechnik GmbH



Summary

Page

• Manujet III, Jet Ventilation Catheter.....	3
• Cricothyrotomy-Sets Quicktrach, Cricothyrotomy Trainer.....	4
• Tube Exchanger and Introducer.....	5
• Laryngeal Tube LT and LT-D.....	6
• Laryngeal Tube LTS II and LTS-D.....	7
• Accessories for Laryngeal Tubes.....	8
• Airway Management Simulator.....	9
• Masks and Accessories.....	10-11
• Endoscopy Mask and Accessories.....	12
• CPAP-Sets.....	13
• Cuff Pressure Gauges.....	14
• Cuff Controller.....	15
• Tube Fixations.....	16-17
• Airways and Biteblocks.....	18-19
• Tracheostomy Necktapes.....	20
• Tracheostomy Dressing, Ear-Dress, Stylets.....	21
• Smooth Silicone Tubings, Connecting Pieces, Adapters.....	22-23
• Straight Connectors, Adapter Sets.....	24-26
• Connectors and Catheter Mount Tubings for single use.....	27
• Right Angled Connectors.....	28-33
• Catheter Mount Tubings.....	34-35
• T- and Y-Connectors.....	36-39
• Filters.....	40-41
• Respiration Tubings.....	42-43
• Rebreathing Bags.....	44
• Watertraps and Pediatric Anesthetic System.....	45
• Pediatric Connectors and Accessories.....	46-47
• Jackson Rees-, Magill- and Waters-Systems.....	48-49
• Support Arms and Attachment Devices.....	50-55
• Resuscitation Bags and Accessories.....	56-59
• Pressure Infusion Cuffs.....	60-61
• Notes.....	62
• Index.....	63

Manujet III

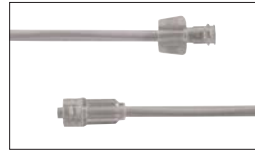
The Manujet III with Jet Ventilation Catheters is a necessity for emergency rooms, crash carts, ambulances and operating rooms as it guarantees a quick and efficient oxygenation of a patient.

With 4m pressure hose, Jet Ventilation Catheters acc to Ravussin (13G, 14G, 16G), 100cm 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



Connecting Tube

100cm long with Luer Lock

REF 54-05-111 Box 100



Endojet Adapter

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

REF 30-03-111-1 Box 5



Bronchoscope Adapter

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

REF 60-70-005 Box 5

Video on CD Rom „Manujet III“ English

REF 10-900-14

Jet Ventilation Catheter acc. to Ravussin

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

Anesthesia Set

sterile packed, 5 pcs. per box

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



13G



14G



16G

Emergency Set

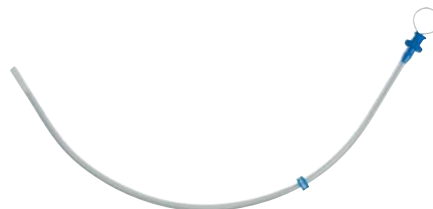
sterile packed, 1 piece per box and syringe

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

Jet Catheter (oral), single lumen

for single use, sterile

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



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

complete set, sterile packed

Patient	I.D.	REF	Box
Child	2 mm	30-04-002-1	1
Adult	4 mm	30-04-004-1	1



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 injury
- anatomically shaped cannula adjusts to the trachea due to „memory effect“

complete set, sterile packed

Patient	I.D.	REF	Box
Adult	4 mm	30-10-004-1	1

Cricothyrotomy Trainer

complete with exchangeable skin and thyroid cartilage

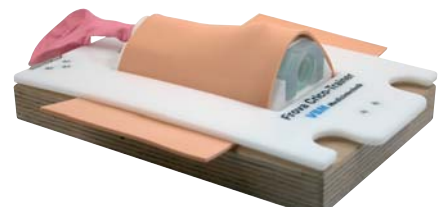
REF 30-15-000



Frova Crico-Trainer

complete with exchangeable skin, larynx, tubing + 10 skins

REF 30-14-000



Rivier Introducer Airway (RIA)

for difficult intubation and tube exchange, with lumen for oxygenation

Length: 83cm, sterile, material: PVC, for single use

with connectors for single use

		REF	Box
CH12	with 15mm and Luer Lock connector	33-03-830-1	5
CH14	with 15mm and Luer Lock connector	33-04-830-1	5



with reusable connectors

		REF	Box
CH12	with detachable 15mm and Luer Lock connector	33-02-830-1	1



without connectors

		REF	Box
CH12	without connector	33-01-830-1	5



Luer Lock Connector

autoclavable up to 134°C

REF 33-10-001 Box 1



15mm Connector

autoclavable up to 134°C

REF 33-10-002 Box 1

Muallem ET Tube Introducer (METTI)

for difficult intubation

for single use, sterile

inner rod made of plastic, semi-rigid (flexible)

Size	Length	REF	Box
12CH	80cm	33-12-800-1	5
14CH	80cm	33-14-800-1	5



Muallem ET Tube Stylet (METTS)

for difficult intubation

single use, sterile

inner rod made of metal, malleable (maintains curvature)

Size	Length	REF	Box
12CH	65cm	33-12-650-1	5
14CH	65cm	33-14-650-1	5



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.

Laryngeal Tube LT, reusable

with one color coded syringe and one biteblock, material: Silicone

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



**Autoclavable,
Single Lumen Tube**

Material: Silicone

Clean packed



Laryngeal Tube LT-D, disposable

single, sterile packed, material: PVC

Box of 10

with 10x LT-D, one color coded syringe and one biteblock

Size	Patient	Height	Color code	REF	Box
3	Adult	< 155cm	yellow	32-02-003-1	1
4	Adult	155-180cm	red	32-02-004-1	1
5	Adult	> 180cm	purple	32-02-005-1	1

Box of 1

with 1x LT-D, one color coded syringe and one biteblock

Size	Patient	Height	Color code	REF	Box
3	Adult	< 155cm	yellow	32-02-103-1	1
4	Adult	155-180cm	red	32-02-104-1	1
5	Adult	> 180cm	purple	32-02-105-1	1

Emergency Box

with one of each LT-D # 3, 4, 5,
one color coded syringe and one biteblock

32-02-209-1 1

**Disposable,
Single Lumen Tube**

Material: PVC

Sterile packed

Laryngeal Tube with Drain Tube

The additional drain tube increases aspiration protection as esophageal pressure can be released and gastric content can be suctioned by a catheter.

Laryngeal Tube LTS II, with Drain Tube, reusable

with one color coded syringe and one biteblock, material: Silicone

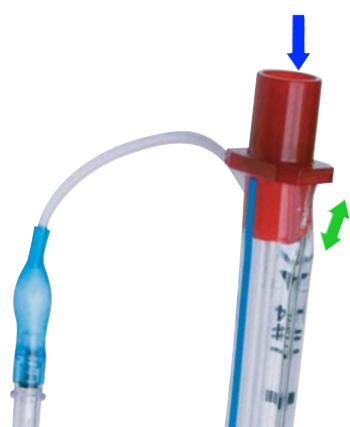
Size	Patient	Weight/Height	Color code	REF	Box
0	Newborn	< 5kg	transparent	32-05-000	1
1	Baby	5-12kg	white	32-05-001	1
2	Child	12-25kg	green	32-05-002	1
2.5	Child	125-150cm	orange	32-05-025	1
3	Adult	< 155cm	yellow	32-05-003	1
4	Adult	155-180cm	red	32-05-004	1
5	Adult	> 180cm	purple	32-05-005	1



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

Material: Silicone

Clean packed



Laryngeal Tube LTS-D, with Drain Tube, disposable

single, sterile packed, material: PVC

Box of 10

with 10x LTS-D, one color coded syringe and one biteblock

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

Box of 1

with 1x LTS-D, one color coded syringe and one biteblock

Size	Patient	Height	Color code	REF	Box
3	Adult	< 155cm	yellow	32-06-103-1	1
4	Adult	155-180cm	red	32-06-104-1	1
5	Adult	> 180cm	purple	32-06-105-1	1

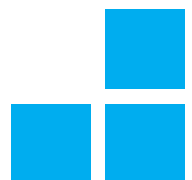
Emergency Box

with one of each LTS-D # 3, 4, 5,
one color coded syringe and one biteblock

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

Material: PVC

Sterile packed



Cuff Pressure Gauge “Universal”

for elective cases, to maintain the cuff pressure at 60cmH₂O

REF 54-07-000



Syringe

with Luer connection and color code for Laryngeal Tubes

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



Biteblock

6, fits Laryngeal Tube # 3, 4, 5

REF 40-70-060 autoclavable Box 25
REF 40-60-060-1 disposable Box 25

5, fits Laryngeal Tube # 2 and 2.5

REF 40-70-050 autoclavable Box 25
REF 40-60-050-1 disposable Box 25



Connecting Tubing

100cm long with Luer connection

REF 54-05-112 Box 100



Elastic Necktape

Length: 75cm, for biteblock

REF 40-06-075 Box 10



Transparent Head

with upper airways, cross section, for positioning of Laryngeal Tube and Quicktrach

REF 30-16-000



Airway Management Simulator "BILL"

The simulator offers 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 and thyroid cartilage, 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



Stomach

REF 30-19-300



Spare Skin

REF 30-19-222



Spare Thyroid Cartilage

REF 30-19-111



Cricothyrotomy Trainer

offers the possibility to train Cricothyrotomy and transtracheal puncture, complete with exchangeable skin and thyroid cartilage

REF 30-15-000



Spare Skin

REF 30-15-222



Spare Thyroid Cartilage

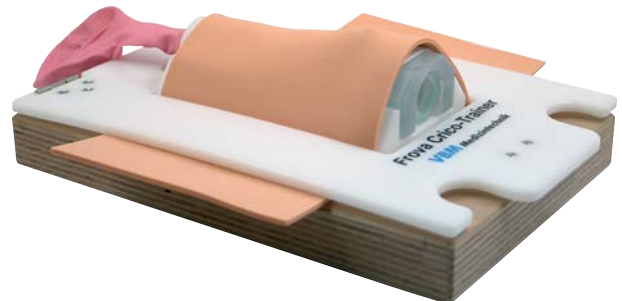
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Frova Crico-Trainer

offers the possibility to train Cricothyrotomy and transtracheal puncture, complete with exchangeable skin, larynx, tubing + 10 skins

REF 30-14-000



Spare Skin

REF 30-14-222



Spare Larynx

REF 30-14-111



Spare Tubing

REF 30-14-333



Face Masks made of Silicone

latex free

autoclavable up to 134°C

with inflatable cushion

with connector 22mm I.D.

- dome made of hard plastic (PSU)
- inflatable cushion made of soft silicone
- offers ideal seal via individual adjustment to the shape of the face

Size	Patient	Color	without Hook Ring	with Hook Ring made of metal	with Hook Ring made of PSU	Box
			REF	REF	REF	
2	Child	green	35-70-222	35-71-222	35-72-222	1
3	Adult small	yellow	35-70-223	35-71-223	35-72-223	1
4	Adult medium	red	35-70-224	35-71-224	35-72-224	1
5	Adult large	purple	35-70-225	35-71-225	35-72-225	1
6	Adult extra large	blue	35-70-226	35-71-226	35-72-226	1



Mask for Children

Rendell Baker Mask

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



Mask, round

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



Mask for Adults

Full Silicone Mask

Size	Patient	REF	Box
3	Adult small	35-60-223	1
4	Adult medium	35-60-224	1
5	Adult large	35-60-225	1



Hook Ring

Ø 33mm, made of metal

REF 80-11-266

Box 10



Hook Ring

Ø 30-33mm, made of polysulfone (PSU)

REF 35-60-266

Box 10



Harness

latex free, autoclavable up to 134°C

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



Face Mask

with inflatable cushion, for single use

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



Fixation Tape

for face masks for single use
material: foam

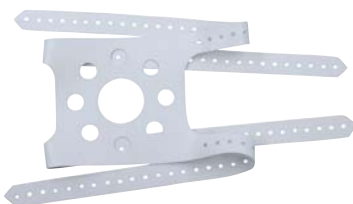
For mask	Length	REF	Box
# 1	350mm	35-40-610	10
# 2-3	500mm	35-40-611	10
# 4-6	600mm	35-40-633	10



Harness

latex free, for single use

Patient	Material	REF	Box
Adult	synthetic rubber	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.

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 0, Newborn
with silicone membrane 2.0mm
REF 30-40-000 Box 6

Size 1, Infant
with silicone membrane 2.0mm
REF 30-40-111 Box 6

Size 3, Child
with silicone membrane 3.0mm
REF 30-40-333 Box 6

Size 5, Adult
with silicone membrane 5.0mm
REF 30-40-555 Box 6



Endoscopy Mask for Gastroenterology

Size 5, Adult
with silicone membrane 10.0mm

REF 30-40-777 Box 6

Fixation Tapes

for Endoscopy Mask

Harness

Material: silicone, latex free reusable, autoclavable

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



Fixation Tape

Material: foam

For Mask	REF	Box
# 1	35-40-622	10
# 3+5	35-40-633	10



Hook Ring made of metal

REF 80-11-266 Box 10

Bronchoscope Airway

with external biteblock,

single use, sterile

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

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



CPAP Respiration Set

consisting of:
 CPAP Mask, Harness, PEEP Valve, adjustable from
 5-20cmH₂O and Adapter for 22mm tube connection

REF 35-45-002

ditto, but with PEEP Valve, adjustable from 2.5-10cmH₂O

REF 35-45-004



CPAP Mask

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

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



PEEP Valve

autoclavable up to 134°C

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



30 ID

PEEP Valve

disposable

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

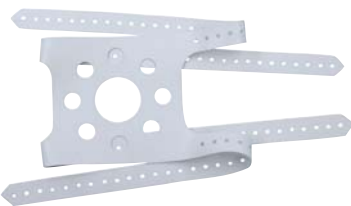


30 ID

Harness

latex free, for single use

REF 35-30-255 Box 10



Adapter

for single use

REF 60-50-007
 Box 10



29 ID/
 32 OD

22 OD



Cuff Pressure Gauges

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



Pocket

Ø 50mm scale

REF 54-04-000



Monitor

Ø 68mm scale

REF 54-05-000



Sensitive

Ø 50mm scale, with hook

Release valve allows sensitive adjustment of the desired cuff pressure

REF 54-03-001



Pediatric

Ø 50mm scale, with hook, pressure range from 0-60cmH₂O

Release valve allows sensitive adjustment of the desired cuff pressure

REF 54-02-000



Variable

Ø 50mm scale

with adjustable pointer (scale in cmH₂O 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 68mm scale

Scale has two green ranges
- For tracheal tubes (22-32cmH₂O)
- For Laryngeal Tubes and Laryngeal Masks (60-70cmH₂O)

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 > 1cmH₂O) 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 25cmH₂O
- Pressure changes through touch pads
- Large LED 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 100cm connecting tubing

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

REF

55-13-500

54-05-112

61-95-200

Technical data:

Supply voltage: 90 - 250 VAC

Regulation range: 0-99cmH₂O (0 to 73mmHg)

Size: 150mm (H) x 120mm (W) x 60mm (D)

Weight: 0,4kg

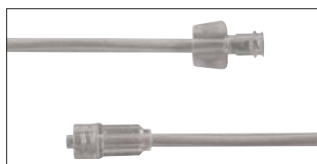
Optional vacuum valve



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 the REF)

Connecting Tubing



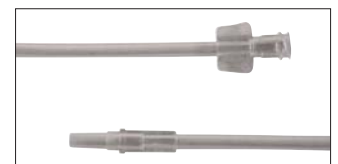
with Luer Lock connections male and female

REF 54-05-111
Length: 100cm

Box 100

REF 61-95-200
Length: 200cm

Box 10



with female Luer Lock connection and Luer connection

REF 54-05-112
Length: 100cm

Box 100

Endotracheal Tube Holder

Endofix Oral II

oral ET Tube fixation for Anesthesia and Intensive Care



with foam necktape

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



with elastic necktape

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



Foam Cushion for Endofix Oral

	REF	Box
sterile packed	40-111-1	30
clean packed	40-8222	40

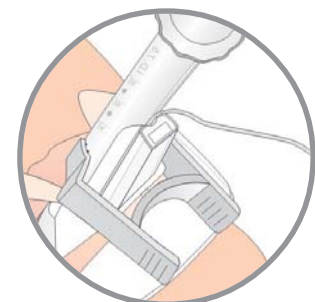


Rescuefix

oral ET Tube fixation for emergency 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.

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



Endotracheal Tube Holder

Tube Holder

oral / nasal ET Tube fixation

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



Endotape

oral / nasal ET Tube fixation

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

REF **40-8018-044** Box 10



Endofix Nasal

nasal ET Tube fixation for Intensive Care

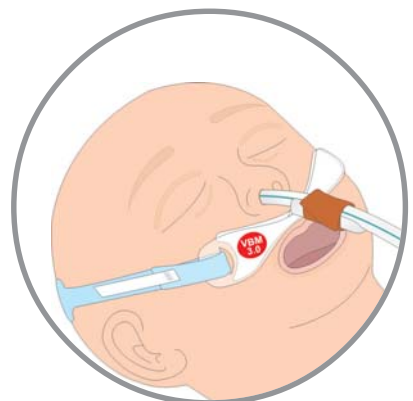
	REF	Box
with foam necktape	40-4005	25
with elastic necktape	40-4006	25



Baby Endofix

oral / nasal ET Tube fixation for babies

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



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 up to 134°C (273°F)

Size	Color code	REF	box
000	light blue	40-40-007	30
00	marine	40-40-008	30
0	black	40-40-009	30
1	white	40-40-010	30
2	green	40-40-020	30
3	yellow	40-40-030	30
4	red	40-40-040	30
5	purple	40-40-050	30



for single use, sterile

Size	Color code	REF	box
000	light blue	40-20-007-1	30
00	marine	40-20-008-1	30
0	black	40-20-009-1	30
1	white	40-20-010-1	30
2	green	40-20-020-1	30
3	yellow	40-20-030-1	30
4	red	40-20-040-1	30
5	purple	40-20-050-1	30



for single use, sterile with elastic necktape

Size	Color code	REF	box
000	light blue	40-26-007-1	30
00	marine	40-26-008-1	30
0	black	40-26-009-1	30
1	white	40-26-010-1	30
2	green	40-26-020-1	30
3	yellow	40-26-030-1	30
4	red	40-26-040-1	30
5	purple	40-26-050-1	30



Biteblock

oral tube fixation for ET Tube, Laryngeal Tube and Laryngeal Mask

- tube clips into biteblock and is therefore protected from occlusion

autoclavable up to 134°C (273°F)

Size	for	Tube size	REF	box
4	ET Tube	6.5 - 8.0mm	40-70-040	25
5	ET Tube	8.5 - 11.0mm	40-70-050	25
	Laryngeal Tube	2 + 2.5		
	Laryngeal Mask	2 + 2.5		
6	Laryngeal Tube	3, 4, 5	40-70-060	25
	Laryngeal Mask	3, 4, 5		



for single use, sterile

Size	for	Tube size	REF	box
4	ET Tube	6.5 - 8.0mm	40-60-040-1	25
5	ET Tube	8.5 - 11.0mm	40-60-050-1	25
	Laryngeal Tube	2 + 2.5		
	Laryngeal Mask	2 + 2.5		
6	Laryngeal Tube	3, 4, 5	40-60-060-1	25
	Laryngeal Mask	3, 4, 5		



for single use, sterile
with elastic necktape

Size	for	Tube size	REF	box
4	ET Tube	6.5 - 8.0mm	40-66-040-1	20
5	ET Tube	8.5 - 11.0mm	40-66-050-1	20
	Laryngeal Tube	2 + 2.5		
	Laryngeal Mask	2 + 2.5		
6	Laryngeal Tube	3, 4, 5	40-66-060-1	20
	Laryngeal Mask	3, 4, 5		



Fixation Tape for Guedel Airway and Biteblock

Foam Necktape

REF 40-25-000 Box 5



Elastic Necktape

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



Tracheostomy Necktapes

tube fixation for tracheostomized patients

with velcro fastener, blue

Material: foam

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



with velcro fastener, skin colored

Material: cotton covered foam

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



separable with velcro fastener, skin colored

Material: cotton covered foam

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



separable with hook fastener, skin colored

Material: cotton covered foam

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



Tracheostomy Dressing

sterile

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

size: 6.5 x 9 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



Stylets

autoclavable up to 134°C

with adjustable 15mm ID silicone connector

Size	Length	ET Tube	REF	Box
small	34cm	2.5-3.5mm	90-10-001	10
medium	38cm	4-6.5mm	90-10-002	10
large	45cm	7-10mm	90-10-003	10

without 15mm ID silicone connector

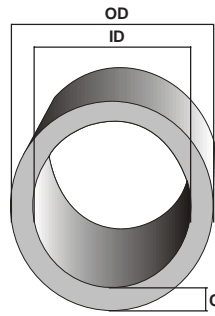
Size	Length	ET Tube	REF	Box
small	34cm	2.5-3.5mm	90-10-111	25
medium	38cm	4-6.5mm	90-10-222	25
large	45cm	7-10mm	90-10-333	25



Tubings made of silicone, smooth/clear

autoclavable up to 134°C, latex free

ID (mm)	x	C (mm)	OD (mm)	REF	Box
1.0	x	0.5	2	68-010-05	25m
1.0	x	1.0	3	68-010-10	25m
1.5	x	0.75	3	68-015-075	25m
2.0	x	1.0	4	68-020-10	25m
3.0	x	1.0	5	68-030-10	25m
3.0	x	1.5	6	68-030-15	25m
4.0	x	1.0	6	68-040-10	25m
4.0	x	1.5	7	68-040-15	25m
4.0	x	2.0	8	68-040-20	25m
5.0	x	1.0	7	68-050-10	25m
5.0	x	1.5	8	68-050-15	25m
5.0	x	2.0	9	68-050-20	25m
6.0	x	1.0	8	68-060-10	25m
6.0	x	1.5	9	68-060-15	25m
6.0	x	2.0	10	68-060-20	25m
6.0	x	3.0	12	68-060-30	25m
7.0	x	1.5	10	68-070-15	25m
7.0	x	2.0	11	68-070-20	25m
7.0	x	3.0	13	68-070-30	25m
8.0	x	2.0	12	68-080-20	25m
8.0	x	3.0	14	68-080-30	25m
9.0	x	2.0	13	68-090-20	25m
10.0	x	2.0	14	68-100-20	25m
10.0	x	3.0	16	68-100-30	25m
12.0	x	3.0	18	68-120-30	25m
12.0	x	4.0	20	68-120-40	25m
14.0	x	3.0	20	68-140-30	25m
15.0	x	3.0	21	68-150-30	25m
16.0	x	3.0	22	68-160-30	25m
18.0	x	3.0	24	68-180-30	25m
20.0	x	2.0	24	68-200-20	25m
20.0	x	3.0	26	68-200-30	25m
25.0	x	4.0	33	68-250-40	25m



Connection Pieces

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

Connection Piece with 15mm ID to Y-Piece 15mm 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 15mm OD

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



Double Lumen Tube Adapter

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



15mm Endo Adapter

autoclavable up to 134°C

Standard

Material: PSU

ID	REF	Box
2.0mm	44-2535-020	20
2.5mm	44-2535-025	20
3.0mm	44-2535-030	20
3.5mm	44-2535-035	20
4.0mm	44-2535-040	20
5.0mm	44-2535-050	20
6.0mm	44-2535-060	20
7.0mm	44-2535-070	20
8.0mm	44-2535-080	20
9.0mm	44-2535-090	20
10.0mm	44-2535-100	20



with wings

Material: PSU

ID	REF	Box
6.0mm	44-2555-060	20
7.0mm	44-2555-070	20
8.0mm	44-2555-080	20
9.0mm	44-2555-090	20
10.0mm	44-2555-100	20



with Luer Lock sideport for pressure and gas measuring, sterile

Material: PMP

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



Meconium Aspirator

for suctioning on Endotracheal Tubes or Suction Catheters

autoclavable up to 134°C

REF 49-10-000 Box 1



15 ID
+ connection for
suction catheter

for single use

REF 49-20-000 Box 10



15 ID











15 OD

Connection for
suction catheter

Straight Connectors

autoclavable up to 134°C, Material: PSU


22 ID		9-11 OD	REF 60-30-002	Box 10
15 ID/ 22 OD		9-11 OD	60-30-003	10
15 OD		9-11 OD	60-30-005	10
15 ID		9-11 OD	60-30-006	10


22 ID		11-13 OD	REF 60-40-002	Box 10
15 ID/ 22 OD		11-13 OD	60-40-003	10
15 OD		11-13 OD	60-40-005	10
15 ID		11-13 OD	60-40-006	10

22 ID  with female Luer Lock connection, Material: Aluminium
REF 60-70-002
Box 10


22 ID  for O₂ tubings with 5-7mm ID Material: Aluminium
REF 60-71-002
Box 10


15 ID/
22 OD  15 ID/
22 OD Standard **REF 60-12-110**
Box 10


15 ID/
22 OD  15 ID/
22 OD with female Luer Lock connection **REF 60-12-111**
Box 10

15 ID/
22 OD  15 ID/
22 OD with Luer connection (4mm OD) **REF 60-12-112**
Box 10

15 ID/
22 OD  22 ID Standard **REF 60-12-200**
Box 10

15 ID/
22 OD  22 ID with female Luer Lock connection **REF 60-12-201**
Box 10


15 ID/
22 OD  22 ID with Luer connection (4mm OD) **REF 60-12-202**
Box 10


15 ID/
22 OD  22 ID with connection for temperature measuring (7.6mm ID) **REF 60-12-203**
Box 10

Straight Connectors


autoclavable up to 134°C, Material: PSU


22 ID  22 ID Standard **REF 60-12-300**
Box 10

22 ID  22 ID with female Luer Lock connection **REF 60-12-301**
Box 10


22 ID  22 ID with Luer connection (4mm OD) **REF 60-12-302**
Box 10


15 ID/
22 OD  15 ID/
22 OD Standard **REF 60-12-400**
Box 10

15 ID/
22 OD  15 ID/
22 OD with female Luer Lock connection **REF 60-12-401**
Box 10


15 ID/
22 OD  15 ID/
22 OD with Luer connection (4mm OD) **REF 60-12-402**
Box 10


15 OD  22 ID Standard **REF 60-50-002**
Box 10

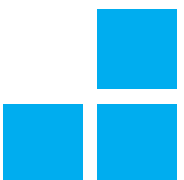
15 OD  22 ID with female Luer Lock connection **REF 60-12-501**
Box 10

15 OD  22 ID with Luer connection (4mm OD) **REF 60-12-502**
Box 10

15 OD  15 ID/
22 OD Standard **REF 60-50-003**
Box 10

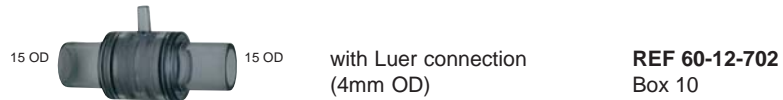
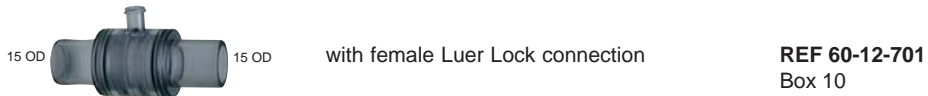
15 OD  15 ID/
22 OD with female Luer Lock connection **REF 60-12-601**
Box 10

15 OD  15 ID/
22 OD with Luer connection (4mm OD) **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 REF 60-90-001

consisting of:

- 10 pcs. Endo Adapter, REF 44-2535-020 - 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,



Adapter Set in a case REF 60-91-001

consisting of:

- 11 pcs. Endo Adapter, REF 44-2535-020 - 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




Connectors

for single use, Material: PC

	REF	Box
 22 ID 15 OD	60-50-222	10
 15 ID/22 OD 15 OD	60-50-333	10
 15 OD 15 OD	60-50-555	10
 15 ID/22 OD 15 OD	60-60-333-1 sterile	10

Right Angled Swivel Connectors

for single use, sterile, Material: PC



 15 OD	„Single Swivel“, closed	
 15 ID/22 OD 15 OD	„Single Swivel“ with 5mm Bronchoscope/Suction Cap	
 15 ID/22 OD 15 OD	„Double Swivel“ with 5mm Bronchoscope/Suction Cap	

REF	Box
REF 60-60-222-1	Box 10
REF 60-60-555-1	Box 10
REF 60-60-111-1	Box 10



Catheter Mount Tubings

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



with straight connector

	Length: 15cm	Length: 30cm	Length: 45cm
 15 ID/22 OD 15 OD	REF 60-50-150-1 Box 25	REF 60-50-300	REF 60-50-450 Box 10
 15 ID/22 OD 22 ID	REF 60-55-150-1 Box 25	REF 60-55-300	REF 60-55-450 Box 10



with straight swivel connector

	Length: 15cm	Length: 30cm	Length: 45cm
 15 ID/22 OD 15 OD	REF 60-52-150-1 Box 25	REF 60-52-300	REF 60-52-450 Box 10
 15 ID/22 OD 22 ID	REF 60-57-150-1 Box 25	REF 60-57-300	REF 60-57-450 Box 10



with right angled swivel connector

	Length: 15cm	Length: 30cm	Length: 45cm
 15 ID/22 OD 15 OD	REF 60-60-150-1 Box 25	REF 60-60-300	REF 60-60-450 Box 10
 15 ID/22 OD 22 ID	REF 60-80-150-1 Box 25	REF 60-80-300	REF 60-80-450 Box 10

with right angled swivel connector with 5mm bronchoscope/suction cap

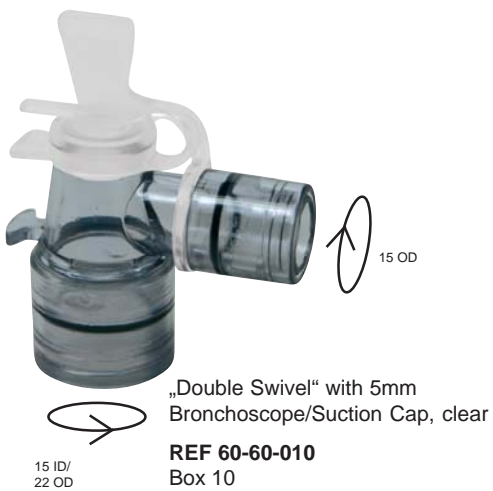
	Length: 15cm	Length: 30cm	Length: 45cm
 15 ID/22 OD 15 OD	REF 60-65-150-1 Box 25	REF 60-65-300	REF 60-65-450 Box 10
 15 ID/22 OD 22 ID	REF 60-85-150-1 Box 25	REF 60-85-300	REF 60-85-450 Box 10

with right angled double swivel connector with 5mm bronchoscope/suction cap

	Length: 15cm	Length: 30cm	Length: 45cm
 15 ID/22 OD 15 OD	REF 60-68-150-1 Box 25	REF 60-68-300	REF 60-68-450 Box 10
 15 ID/22 OD 22 ID	REF 60-88-150-1 Box 25	REF 60-88-300	REF 60-88-450 Box 10

Right Angled Swivel Connectors

autoclavable up to 134°C, Material: PSU



Right Angled Connectors

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



Right Angled Connector 90°

autoclavable up to 134°C, Material: PSU



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

REF 60-13-000
Box 10



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

REF 60-13-001
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)



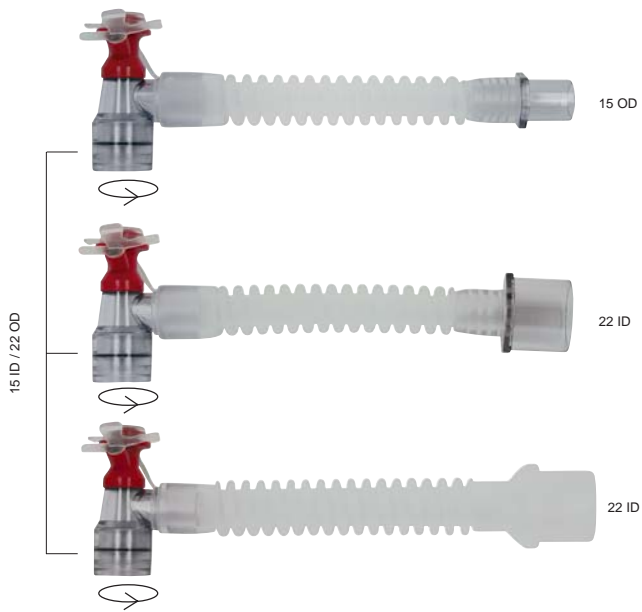
Suctioning with max. 16 Ch



Catheter Mount Tubings made of silicone with Tube Inhaler

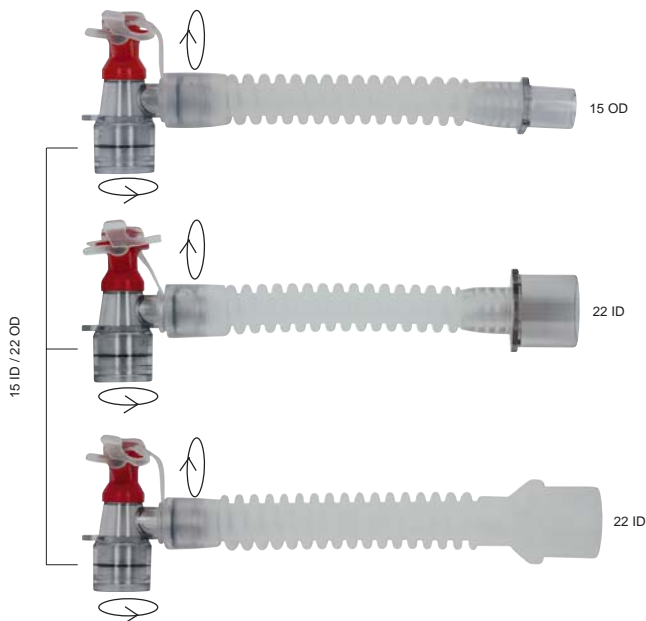
autoclavable up to 134°C

with Tube Inhaler „Single-Swivel“ with suction port



	Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
15 OD	65-10-009		65-10-029		10
22 ID	65-30-009		65-30-029		10
22 ID		65-40-009		64-40-029	10

with Tube Inhaler „Double Swivel“ with suction port

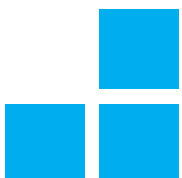


	Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
15 OD	65-15-209		65-15-229		10
22 ID	65-35-209		65-35-229		10
22 ID		65-45-209		64-45-229	10

Suction cap

made of silicone, clear, suitable for Tube Inhaler,

REF 60-60-119
Box 10

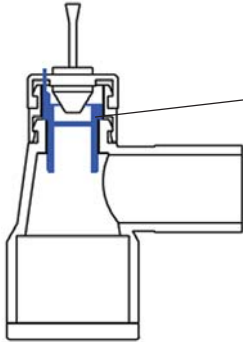


BROSU

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



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



reusable, autoclavable up to 134°C
Material: PSU



15 OD



15 ID/
22 OD

with 5mm bronchoscope/suction cap, clear, suitable for suction catheter 18CH and for bronchoscope 5mm O.D. and more

REF 60-60-070
Box 10



15 OD



15 ID/
22 OD

with 3mm bronchoscope/suction cap, blue, suitable for suction catheter 10, 12, 14, 16CH and for bronchoscope 3mm O.D. and more

REF 60-60-270
Box 10



15 OD



15 ID/
22 OD

with 2mm bronchoscope/suction cap, yellow, suitable for suction catheter 6+8CH and bronchoscope 2mm O.D. and more

REF 60-60-370
Box 10

for single use, single sterile packed
Material: PC



with 5mm bronchoscope/suction cap, clear, suitable for suction catheter 18CH and for bronchoscope 5mm O.D. and more

REF 60-60-061-1
Box 10



with 3mm bronchoscope/suction cap, blue, suitable for suction catheter 10, 12, 14, 16CH and for bronchoscope 3mm O.D. and more

REF 60-60-261-1
Box 10



with 2mm bronchoscope/suction cap, yellow, suitable for suction catheter 6+8CH and for bronchoscope 2mm O.D. and more

REF 60-60-361-1
Box 10

Bronchoscope/Suction Cap

made of silicone, for right angled connectors

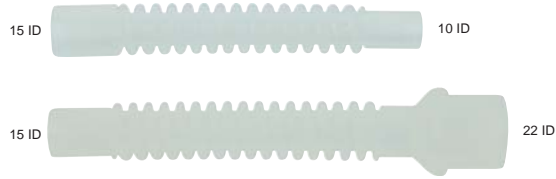
Hole	Color code	REF	Box
2mm	yellow	60-60-112	10
3mm	blue	60-60-110	10
5mm	clear	60-60-115	10



Catheter Mount Tubing, made of silicone

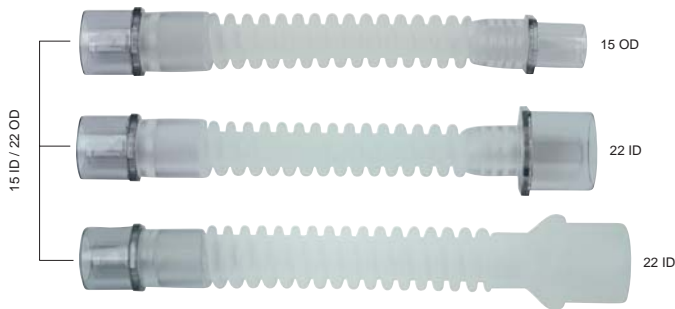
autoclavable up to 134°C

without connectors



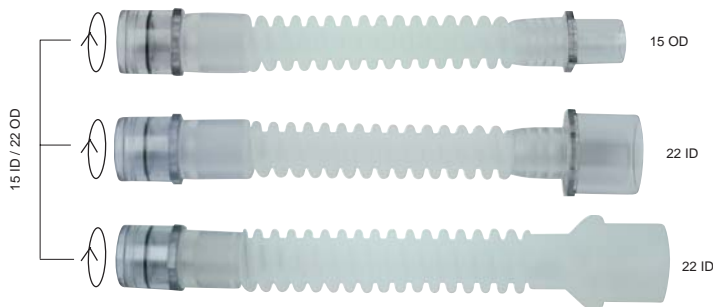
Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
65-00-130		65-00-200		10
	65-00-160		64-00-230	10

with straight connector



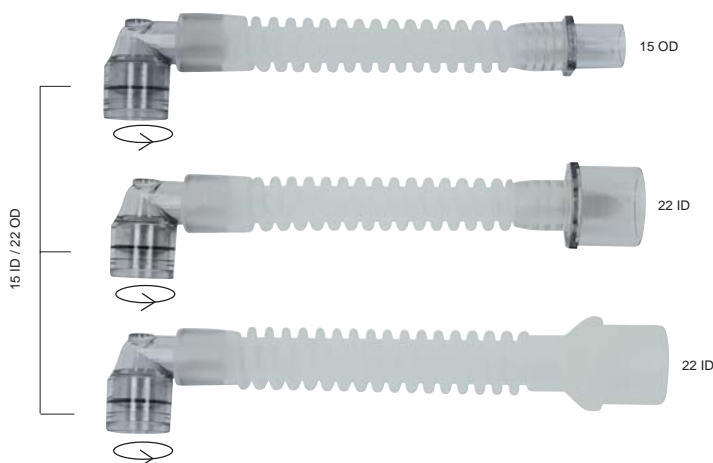
Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
65-50-130		65-50-200		10
65-55-130		65-55-200		10
	65-55-160		64-55-230	10

with straight swivel connector



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

with right angled swivel connector „Single Swivel“

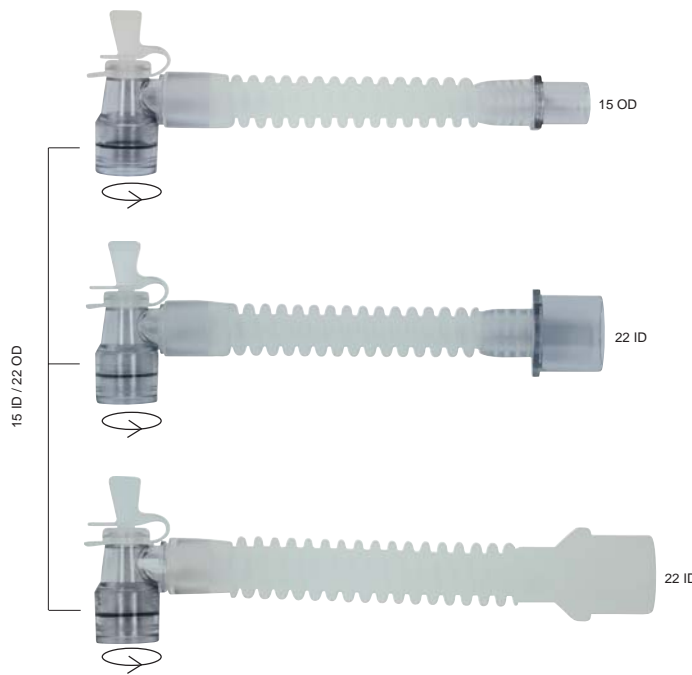
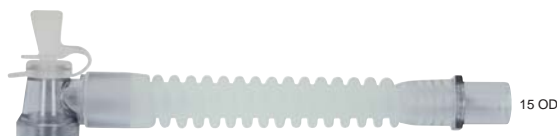
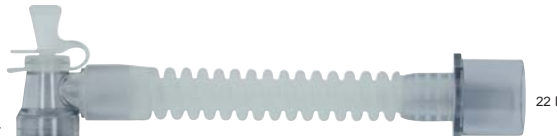



Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
65-60-130		65-60-200		10
65-80-130		65-80-200		10
	65-80-160		64-80-230	10

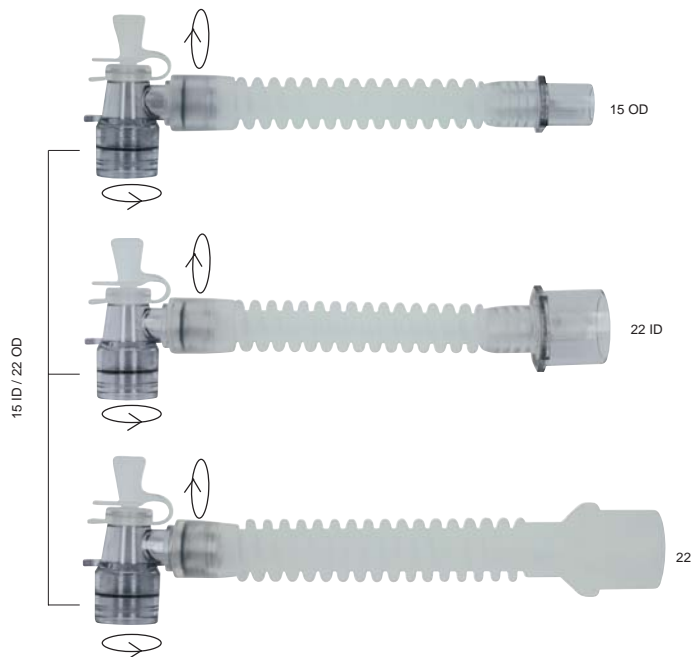
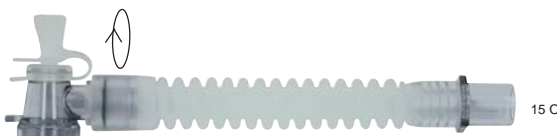


Catheter Mount Tubing, made of silicone

autoclavable up to 134°C

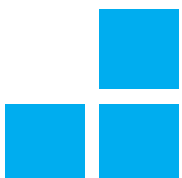
with right angled swivel connector „Single Swivel“ with 5mm bronchoscope/suction cap

		Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
 <p>15 ID / 22 OD</p>	 <p>15 OD</p>	65-65-130		65-65-200		10
	 <p>22 ID</p>	65-85-130		65-85-200		10
	 <p>22 ID</p>		65-85-160		64-85-230	10

with right angled swivel connector „Double Swivel“ with 5mm bronchoscope/suction cap

		Length: 13cm	Length: 16cm	Length: 20cm	Length: 23cm	Box
 <p>15 ID / 22 OD</p>	 <p>15 OD</p>	65-68-130		65-68-200		10
	 <p>22 ID</p>	65-88-130		65-88-200		10
	 <p>22 ID</p>		65-88-160		64-88-230	10

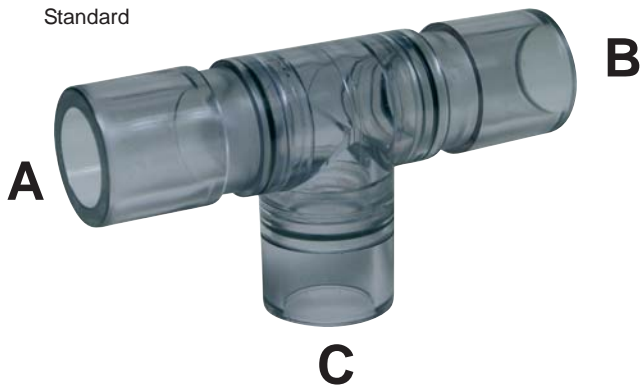
Further sizes are available on request.



T-Connectors

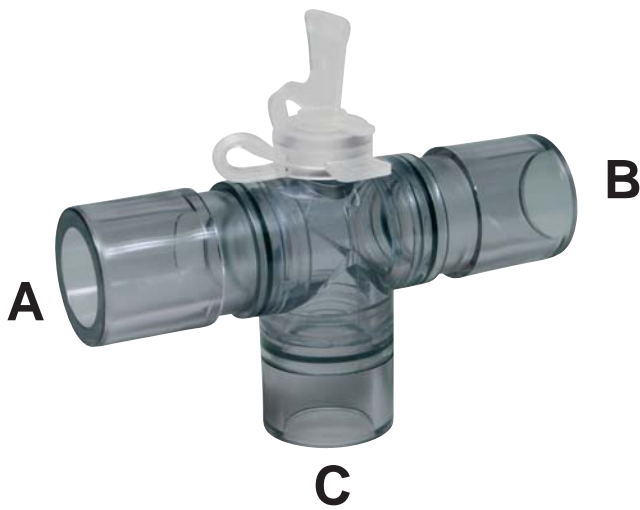
autoclavable up to 134°C, Material: PSU

Standard



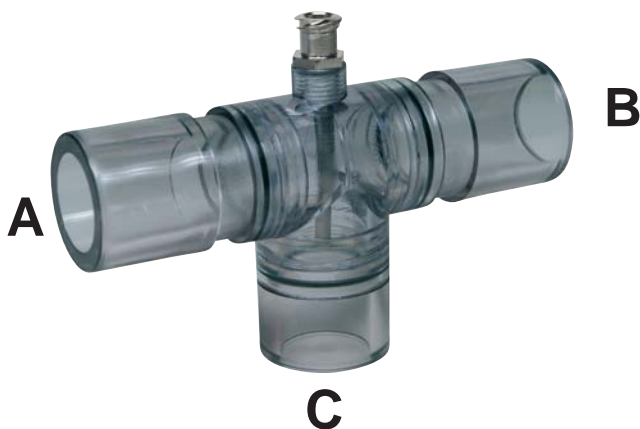
A	B	C	REF	Box
15 ID / 22 OD	15 ID / 22 OD	15 ID / 22 OD	60-11-500	10
22 ID	22 ID	15 ID / 22 OD	60-11-502	10
22 ID	15 ID / 22 OD	15 ID / 22 OD	60-11-503	10
15 ID / 22 OD	15 ID / 22 OD	22 ID	60-11-504	10
22 ID	22 ID	22 ID	60-11-505	10
22 ID	15 ID / 22 OD	22 ID	60-11-506	10

with 5mm Bronchoscope/Suction Cap, clear



A	B	C	REF	Box
15 ID / 22 OD	15 ID / 22 OD	15 ID / 22 OD	60-11-510	10
22 ID	22 ID	15 ID / 22 OD	60-11-512	10
22 ID	15 ID / 22 OD	15 ID / 22 OD	60-11-513	10
15 ID / 22 OD	15 ID / 22 OD	22 ID	60-11-514	10
22 ID	22 ID	22 ID	60-11-515	10
22 ID	15 ID / 22 OD	22 ID	60-11-516	10

with female Luer Lock made of metal



A	B	C	REF	Box
15 ID / 22 OD	15 ID / 22 OD	15 ID / 22 OD	60-11-520	10
22 ID	22 ID	15 ID / 22 OD	60-11-522	10
22 ID	15 ID / 22 OD	15 ID / 22 OD	60-11-523	10
15 ID / 22 OD	15 ID / 22 OD	22 ID	60-11-524	10
22 ID	22 ID	22 ID	60-11-525	10
22 ID	15 ID / 22 OD	22 ID	60-11-526	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 (4mm OD)

REF 60-11-301

Box 10



with female Luer Lock made of metal

REF 60-11-302

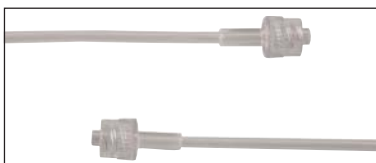
Box 10



Connecting Tubing 1.5mm I.D./3.0mm O.D. for CO₂ and pressure measuring

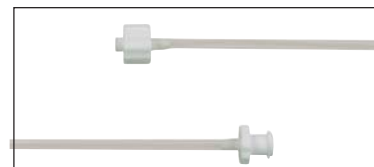
in 3-layer technology from PVC/EVA/PE, with two male Luer Lock

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



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

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



Straight Y-Connectors

autoclavable up to 134°C, Material: PSU

Standard REF 60-10-100 Box 10



with female Luer Lock

REF 60-10-101 Box 10



Straight Y-Connectors

autoclavable up to 134°C, Material: PSU

Standard REF 60-11-200 Box 10



with connection for pressure measuring (6mm ID)

REF 60-11-202 Box 10



with connection for temperature probes (7.6mm ID)

REF 60-11-203 Box 10



with connection for pressure measuring (6mm ID)
and temperature probes (7.6mm ID)

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 (7.6mm ID) REF 60-11-402 Box 10



with female Luer Lock and connection for temperature probes (7.6mm ID) REF 60-11-403 Box 10



with 5mm 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 (7.6mm ID) REF 60-11-412 Box 10



with female Luer Lock and connection for temperature probes (7.6mm ID) REF 60-11-413 Box 10



with female Luer Lock made of metal

REF 60-11-420 Box 10



with connection for temperature probes (7.6mm ID) REF 60-11-422 Box 10



5mm Bronchoscope/Suction Cap, clear

REF 60-60-115 Box 10

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

REF 60-11-888 Box 10



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



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



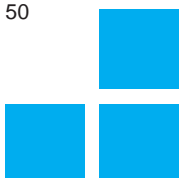
for HME with Bacterial-/Viral Filter,
single sterile packed

REF 61-21-300-1 Box 50



for Heat and Moisture Exchanger,
single sterile packed

REF 61-21-500-1 Box 50

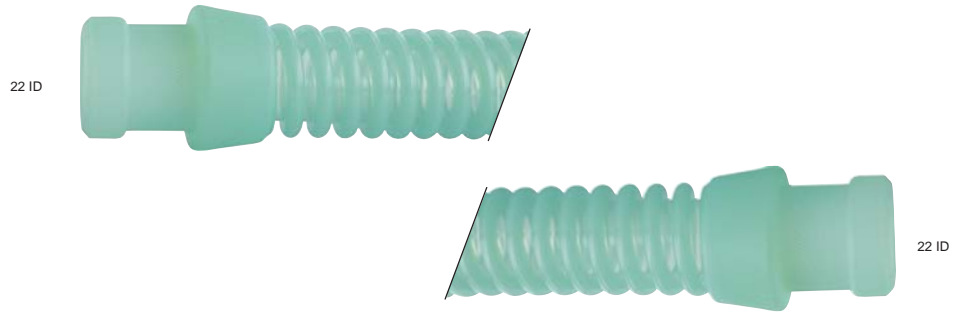


19mm Respiration Tubing made of Silicone

autoclavable up to 134°C

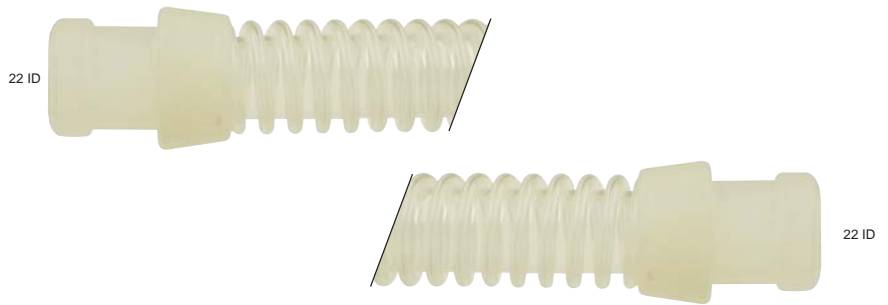
Color: light green (coil), clear (tube),

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



Color: clear (coil and tube)

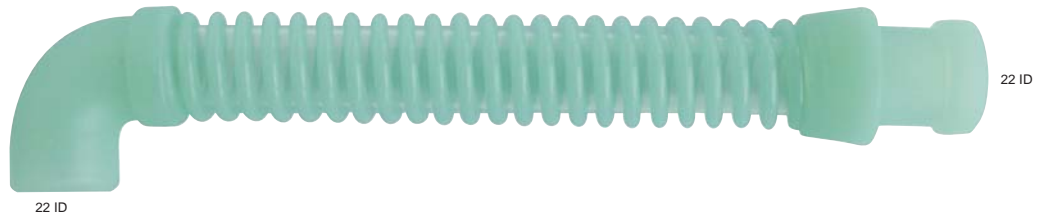
Length	REF	Box
30cm	66-22-030tr	1
40cm	66-22-040tr	1
60cm	66-22-060tr	1
80cm	66-22-080tr	1
90cm	66-22-090tr	1
110cm	66-22-110tr	1
130cm	66-22-130tr	1
150cm	66-22-150tr	1
180cm	66-22-180tr	1
200cm	66-22-200tr	1



19mm Respiration Tubing with angled cuff made of Silicone

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

Length	REF	Box
25cm	66-22-925	1
40cm	66-22-940	1



16mm "Lightweight Tubing" made of Silicone

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

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

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



Hook made of silicone

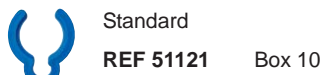
for 9mm/19mm Respiration Tubings

REF 66-00-002 Box 5



Tube Clips

for 19mm Respiration Tubings, for single use, Material: PP



Standard
REF 51121 Box 10



with additional clip, 3mm O.D.
REF 51268 Box 10

Straight Connector

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

REF 60-15-110 Box 4

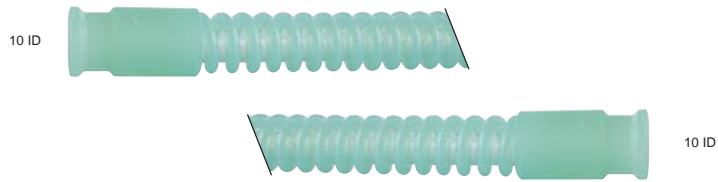


9mm Respiration Tubings for Pediatric made of Silicone

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

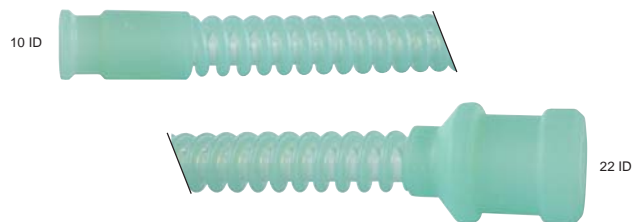
with 10mm cuff at both ends

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



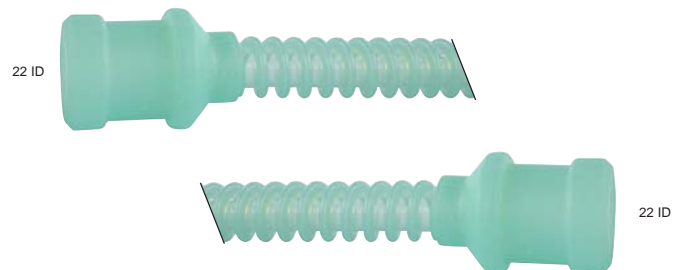
with 10mm/22mm cuffs

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



with 22mm cuff at both ends

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



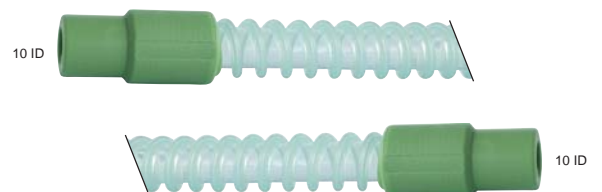
9mm "Lightweight Tubings" for Pediatric made of Silicone

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 10mm cuff at both ends

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



Rebreathing Bags made of Silicone

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

Standard

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

22 ID



with open tube connection and cap

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

22 ID



with 5mm hole

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

22 ID



Watertraps

autoclavable up to 134°C, Material:
PSU
for Adult

REF 66-40-500 Box 6



REF 66-40-520 Box 6



Respirator Watertrap

autoclavable up to 134°C, Material: PSU

REF 66-40-511 Box 6



for Child

REF 66-40-510 Box 6



Anesthetic System for Pediatric, reusable

autoclavable up to 134°C

consisting of:

- 2 x 9mm Silicone Respiration Tubing REF 66-11-110
- 1 x 9mm Silicone Respiration Tubing REF 66-12-110
- 1 x Right Angled Y-Connector REF 60-20-100
- 1 x Silicone Rebreathing Bag, 500ml REF 66-00-011
- 1 x Straight Connector REF 60-12-110

REF 62-11-200 Box 1



Right Angled Y-Connectors for Pediatric, swivelling

autoclavable up to 134°C, Material: PMP

Standard

REF 60-20-100
Box 10



with female Luer Lock made of metal

REF 60-20-101
Box 10



with 3mm Bronchoscope/Suction Cap, blue, also suitable for temperature probes

REF 60-20-200
Box 10



with 3mm Bronchoscope/Suction Cap, blue, and Luer Lock

REF 60-20-201
Box 10



Right Angled Y-Connectors for Pediatric

autoclavable up to 134°C

with two pediatric catheter mount tubings with 15mm connectors

REF 65-20-100 Box 10



with 3mm Bronchoscope/Suction Cap and two pediatric catheter mount tubings with 15mm connectors

REF 65-20-200 Box 10



Catheter Mount Tubing for Pediatric, made of silicone

autoclavable up to 134°C

Length: 9cm **REF 65-00-090** Box 10



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

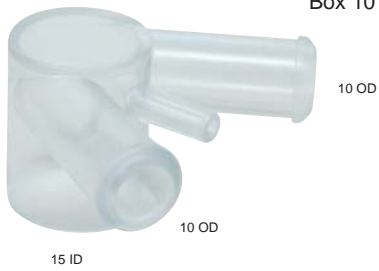


Right Angled Y-Connectors for Pediatric

autoclavable up to 134°C, Material: PMP

Standard, with Luer connection (4mm OD)

REF 60-20-300
Box 10



with Luer Connection (4mm OD) and with 2mm 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 (6mm ID)

REF 60-20-602 Box 10



with connection for temperature probes (7.6mm ID)

REF 60-20-603 Box 10



Straight Connectors,

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



REF 60-30-005
Box 10



REF 60-40-005
Box 10

Straight Y-Connectors for Pediatric, swivelling

autoclavable up to 134°C, Material: PMP

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



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
3mm	blue	60-60-110	10
2mm	yellow	60-60-112	10



VBM 47

Plug made of silicone

for Y-Connectors REF 60-20-602, ...-603

REF 60-11-999
Box 1



Jackson Rees Systems

autoclavable up to 134°C

Jackson Rees System I

consisting of:

- Silicone Rebreathing Bag 500ml with open tube connection and cap REF 66-00-141
- Connector 22mm O.D. to 22mm 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 22mm I.D. REF 60-30-002
- O₂ Tubing made of silicone, Length: 1.80m REF 68-070-20

REF 67-12-000 Box 1



Jackson Rees System I

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

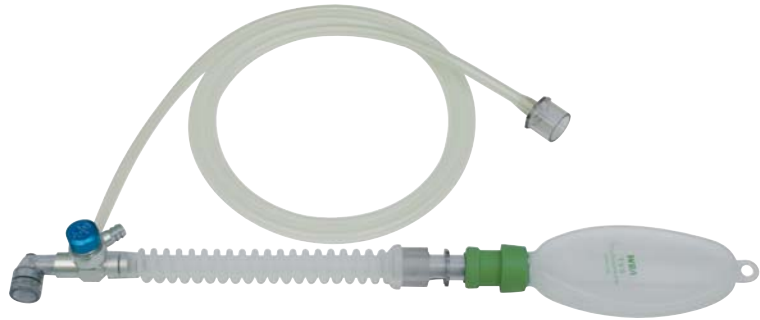
REF 67-11-000 Box 1

Jackson Rees System II

consisting of:

- Silicone Rebreathing Bag 500ml REF 66-00-011
- Connector 22mm O.D. to 22mm 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 22mm I.D. REF 60-30-002
- O₂ Tubing made of silicone, Length: 1.80m REF 68-070-20

REF 67-12-100 Box 1



Jackson Rees System III

consisting of:

- Silicone Rebreathing Bag 500ml REF 66-00-011
- Connector 22mm O.D. to 22mm O.D. REF 60-12-110
- Jackson Rees Valve REF 67-10-222
- Connector REF 60-40-005
- Silicone Tube REF 65-00-200
- T-Connector REF 67-20-005
- Right Angled Swivel Connector REF 60-60-002
- Connector 22mm I.D. REF 60-30-002
- O₂ Tubing made of silicone, Length: 1.80m REF 68-070-20

REF 67-12-200 Box 1



Jackson Rees System IV

consisting of:

- Silicone Rebreathing Bag 500ml REF 66-00-011
- Connector 22mm O.D. to 22mm O.D. REF 60-12-110
- Jackson Rees Valve REF 67-10-002
- Right Angled Swivel Connector REF 60-60-002
- Connector 22mm I.D. REF 60-30-002
- O₂ Tubing made of silicone, Length: 1.80m 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 2300ml REF 66-00-013
- Waters Expiratory Valve REF 67-10-003
- Right Angled Swivel Connector REF 60-60-002
- Connector 22mm I.D. REF 60-30-002
- O₂ Tubing made of silicone, Length: 1.80m REF 68-070-20

REF 67-12-500 Box 1



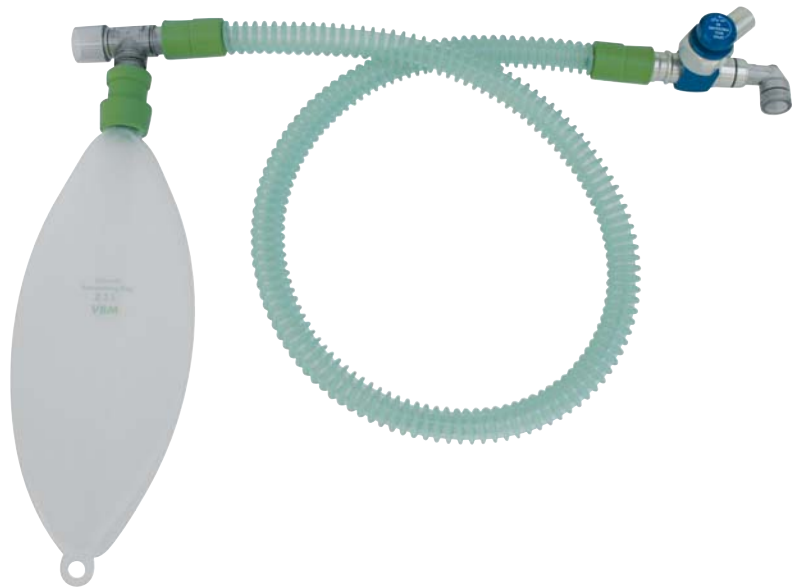
Magill Breathing System / Mapleson A

autoclavable up to 134°C

consisting of:

- T-Connector 22mm I.D. REF 60-11-533
- 16mm Silicone Respiration Tubing, Length: 1.50m REF 69-16-180
- Magill Expiratory Valve REF 67-10-333
- Right Angled Swivel Connector REF 60-60-002
- Silicone Rebreathing Bag 2300ml REF 66-00-013

REF 67-12-600 Box 1



Expiratory Valve

made of metal, autoclavable up to 134°C

Waters Valve with O₂ connection

REF 67-10-003
Box 1



Magill Valve without O₂ connection

REF 67-10-333
Box 1



Jackson Rees Expiratory Valve

made of metal, autoclavable up to 134°C

with O₂ connection

REF 67-10-002
Box 1



without O₂ connection

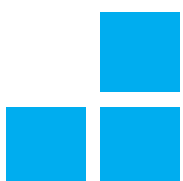
REF 67-10-222
Box 1



Ayres T-Piece

made of PSU, autoclavable up to 134°C

90° **REF 67-20-004** Box 1
45° **REF 67-20-005** Box 1



Anesthetic Tube Holder with flexible rod

adjustable in height, length of support arm: 38cm

with universal rail clamp and

- universal tube holder plate
- swivelling universal tube holder plate
- universal tube holder plate with safety lock
- pediatric tube holder plate

REF

73-512-04
73-512-14
73-512-44
73-512-03

with universal clamp and

- universal tube holder plate
- swivelling universal tube holder plate
- universal tube holder plate with safety lock
- pediatric tube holder plate
- tube arrangement plate

REF

73-532-04
73-532-14
73-532-44
73-532-03
73-532-57

with rail clamp with quick lock and

- universal tube holder plate
- swivelling universal tube holder plate
- universal tube holder plate with safety lock
- pediatric tube holder plate

REF

73-542-04
73-542-14
73-542-44
73-542-03



REF 73-542-44

Anesthetic Tube Holder with one joint and flexible rod

adjustable in height, length of support arm: 45cm

with universal rail clamp and

- universal tube holder plate
- swivelling universal tube holder plate
- universal tube holder plate with safety lock
- pediatric tube holder plate

REF

74-412-04
74-412-14
74-412-44
74-412-03

with universal clamp and

- universal tube holder plate
- swivelling universal tube holder plate
- universal tube holder plate with safety lock
- pediatric tube holder plate

REF

74-432-04
74-432-14
74-432-44
74-432-03

with rail clamp with quick lock and

- universal tube holder plate
- swivelling universal tube holder plate
- universal tube holder plate with safety lock
- pediatric tube holder plate

REF

74-442-04
74-442-14
74-442-44
74-442-03



REF 74-412-04

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 Holder with three joints and universal clamp

Length: 30cm

REF

- with universal tube holder plate
- with universal tube holder plate with safety lock

70-131-04

70-131-44

Length: 50cm

REF

- with universal tube holder plate
- with universal tube holder plate with safety lock

70-231-04

70-231-44



REF 70-131-04

Pressure Transducer Holder with three joints and universal clamp

Length: 30cm

REF

- with clamping piece for transducer plates
- with pressure transducer and stop-cock holder

70-131-07

70-131-12

Length: 50cm

REF

- with clamping piece for transducer plates
- with pressure transducer and stop-cock holder

70-231-07

70-231-12



REF 70-131-07

Endoscope Holder with three joints and universal clamp

adjustable in height

Length: 50cm

REF

- for rigid endoscopes
- for flexible endoscopes

70-251-06

70-251-66



REF 70-251-06

Respiration Support Arm with three joints, swinging head and universal clamp

Length: 100cm

- with single tube holder
- with twin tube holder
- with small tube holder with safety lock

REF

70-353-01
70-353-02
70-353-33

Length: 120cm

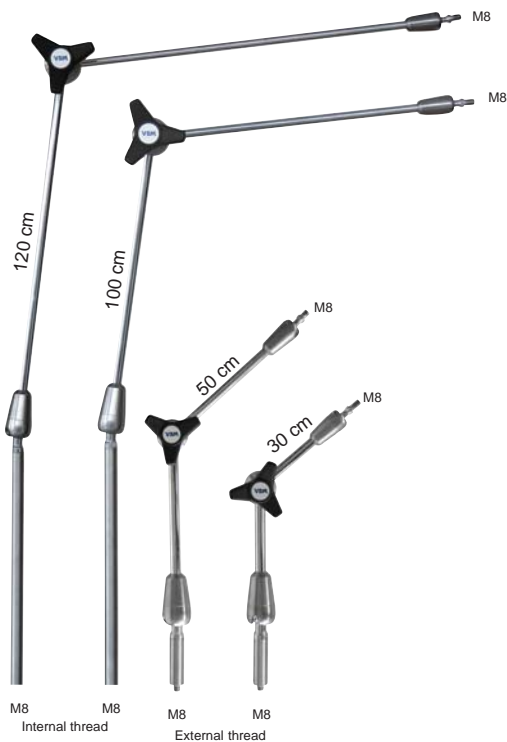
- with single tube holder
- with twin tube holder
- with small tube holder with safety lock

REF

70-653-01
70-653-02
70-653-33



Support Arms with three joints, separate



Length: 30cm

REF 70-100-00

Length: 50cm

REF 70-200-00

Length: 100cm

REF 70-300-00

Length: 120cm

REF 70-600-00

Fixation clamps



Universal clamp 30x50mm
with M8 internal thread

REF
79-030-00



Universal clamp 30x50mm
- with 11mm hole for support arms adjustable in height
- with 8mm hole for Rüscher Support Arm „Ulmer Fixator“

REF
79-039-00
79-031-00



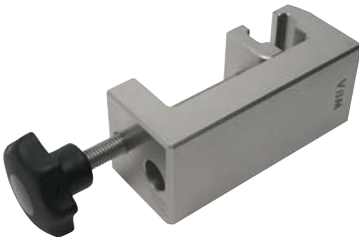
Universal clamp 50x50mm
with Allen screw M8x80

REF
79-050-00



Universal clamp 50x50mm
with 16mm hole for support arms adjustable in height

REF
79-059-00



Universal clamp 50x70mm
with Allen screw M8x80

REF
79-070-00



Universal rail clamp 25x10mm
with M8 internal thread

REF
79-020-00



Universal rail clamp 25x10mm
- with 11mm hole for support arms adjustable in height
- with 8mm hole for Rüscher Support Arm „Ulmer Fixator“

REF
79-010-00
79-011-00



Rail clamp with quick lock for standard rail 25x10mm
with M8 internal thread

REF
79-060-00



Rail clamp with quick lock for standard rail 25x10mm
- with 11mm hole for support arms adjustable in height
- with 8mm hole for Rüscher Support Arm „Ulmer Fixator“

REF
79-040-00
79-041-00



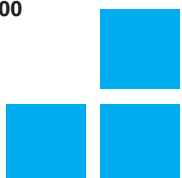
Draeger rail clamp 25x10mm
with M8 internal thread
REF 79-090-00



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



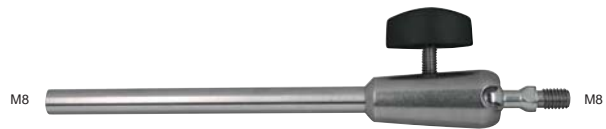
Bennett rail clamp
with M10 internal thread
REF 79-058-00



Flexible intermediate pieces



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

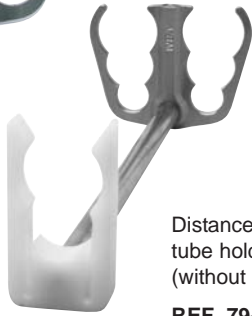


Swinging head, length: 20cm **REF 79-003-00**

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**



Twin tube holder with ball,
fits to Draeger holder

REF 79-000-22



Twin tube holder with ball,
made of plastic

REF 79-000-21



Universal tube holder plate
REF 79-000-04



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



Pediatric tube holder
holder plate
REF 79-000-03



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



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 28-32mm
REF 79-000-01

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



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

Attachment Devices



Endoscope holder
for rigid Endoscopes
REF 79-000-06



Endoscope holder
for flexible Endoscopes
REF 79-000-66



Tube clip, for support arms
with Ø 10mm and 12mm

REF 79-000-50 Box 5



Clamping piece
for transducer plate

REF 79-000-07

Holders for pressure transducer plates and stop-cocks

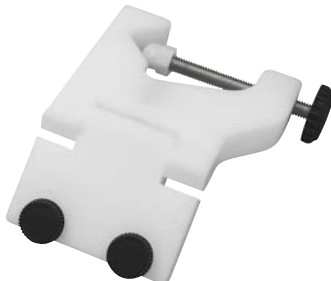
autoclavable up to 134°C



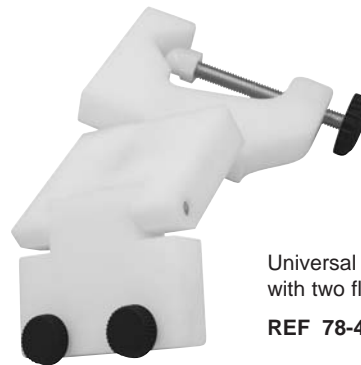
Stop-cock holder
REF 78-10-000



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

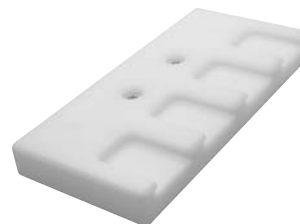
Pressure transducer plates to connect to the above mentioned holders

autoclavable up to 134°C



- for 2 pressure transducers
REF 79-000-52

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



- for 4 pressure transducers
REF 79-000-54

- 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



Reusable Silicone Resuscitation Bag

autoclavable up to 134°C

Adult 2000ml with palm holder	REF	Box
with 40cmH ₂ O pressure relief	82-10-100	1
without pressure relief	82-10-101	1



Child 500ml	REF	Box
with 40cmH ₂ O pressure relief	80-10-200	1
without pressure relief	80-10-201	1
with manometer	80-10-251	1



Infant 250ml	REF	Box
with 40cmH ₂ O pressure relief	80-10-300	1
without pressure relief	80-10-301	1
with manometer	80-10-351	1



Silicone Mask, reusable

autoclavable up to 134°C

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



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



with inflatable air 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



Hook Ring

suitable for masks # 2-6

made of metal, Ø 33mm

REF 80-11-266 Box 10



made of polysulfone, Ø 30-33mm

REF 35-60-266 Box 10

Harness

latex free, autoclavable up to 134°C

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



Complete Sets

supplied in a rigid transparent carrying case

Adult

- with 2000ml Resuscitation Bag with palm holder
- Air Cushion Face Mask # 5
- Reservoir Bag 2600ml
- Reservoir Valve
- 2m O₂-Tubing

REF 82-10-190 Box 1

Child

- with 500ml Resuscitation Bag
- Air Cushion Face Mask # 3
- Reservoir Bag 1800ml
- Reservoir Valve
- 2m O₂-Tubing

REF 82-10-290 Box 1

Infant

- with 250ml Resuscitation Bag
- Mask, round # 1
- Reservoir Bag 600ml
- Reservoir Valve
- 2m O₂-Tubing

REF 80-10-390 Box 1



Respiration Case

Adult

complete with

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

REF 30-92-100

Child

complete with

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

REF 30-92-200

Infant

complete with

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

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

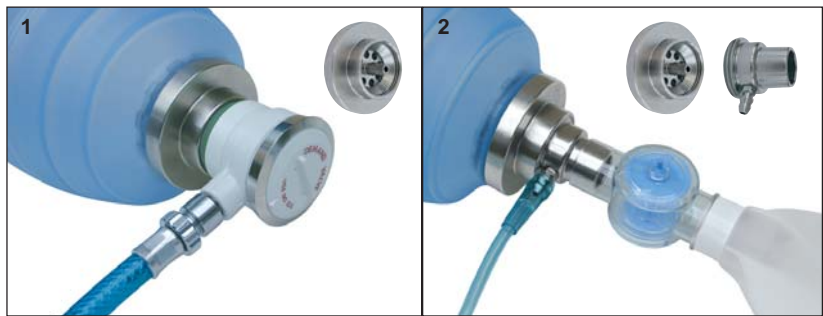


Intake Valve

Material: Aluminium, autoclavable up to 134°C

for connection of

- Demand Valve (photo 1) and with additional connector to connect
- Reservoir Valve with Reservoir Bag and oxygen connector (photo 2)



REF 80-16-900 Box 1

Reservoir Bag

for single use

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



Reservoir Valve

autoclavable up to 134°C

REF 80-12-030 Box 1



PEEP Valve

autoclavable up to 134°C

2.5 - 10cmH ₂ O, green	REF	Box
22mm O.D.	80-13-001	1
30mm I.D.	80-13-004	1



5 - 20cmH ₂ O, blue	REF	Box
30mm I.D.	80-13-002	1
22mm O.D.	80-13-005	1



PEEP Adapter

autoclavable up to 134°C

REF 80-13-003 Box 1



2m O₂-Tubing

made of PVC, for single use

REF 85-17-000
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



Hook

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

REF 80-10-999
Box 1



Rail Clamp

to hold Resuscitation Bag

REF 79-025-00
Box 1



Transparent Carrying Case

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



PVC Resuscitation Bag

for single use

Adult 1800ml	REF	Box
with 40cmH ₂ O pressure relief	85-10-100	1
without pressure relief	85-10-101	1
Child 500ml	REF	Box
with 40cmH ₂ O pressure relief	85-10-200	1
without pressure relief	85-10-201	1
Infant 250ml	REF	Box
with 40cmH ₂ O pressure relief	85-10-300	1
without pressure relief	85-10-301	1



Face Mask

with inflatable cushion, for single use

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



PEEP Valve

for single use

2.5-10 cmH ₂ O, color: green	REF	Box
22mm O.D.	85-13-001	1
30mm I.D.	85-13-004	1



5-20 cmH ₂ O, color: blue	REF	Box
30mm I.D.	85-13-002	1
22mm O.D.	85-13-005	1



Reservoir Bag

for single use

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



PEEP Adapter

for single use

REF 85-13-003	Box
	1



Reservoir Valve

for single use

REF 85-12-030	Box
	1



Complete Sets

supplied in a rigid transparent carrying case

Adult

- with 1800ml Resuscitation Bag
- Air Cushion Face Mask # 5
- Reservoir Bag 2600ml
- Reservoir Valve
- 2m O₂-Tubing

REF 85-10-190 Box 1

Child

- with 500ml Resuscitation Bag
- Air Cushion Face Mask # 3
- Reservoir Bag 1800ml
- Reservoir Valve
- 2m O₂-Tubing

REF 85-10-290 Box 1

Infant

- with 250ml Resuscitation Bag
- Air Cushion Face Mask # 2
- Reservoir Bag 600ml
- Reservoir Valve
- 2m O₂-Tubing

REF 85-10-390 Box 1



Pressure Infusion Cuff

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



REF 51-08-050

Pressure Infusion Cuff 500ml

reusable

REF

with hand inflator

51-05-050

with hand inflator and manometer

51-06-050

with hand inflator and manometer
(Shock Resistant Precision Manometer)

51-08-050



REF 52-08-100

Pressure Infusion Cuff 1000ml

pocket version with zip, reusable

REF

with hand inflator

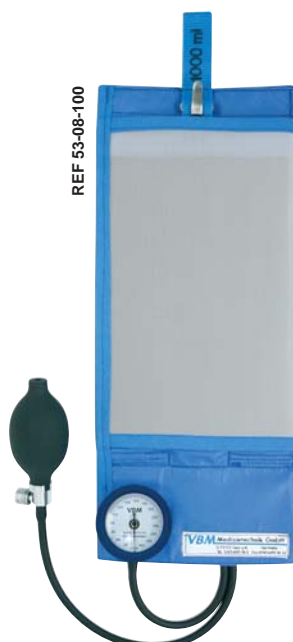
52-05-100

with hand inflator and manometer

52-06-100

with hand inflator and manometer
(Shock Resistant Precision Manometer)

52-08-100



REF 53-08-100

Pressure Infusion Cuff 1000ml

velcro version to wrap around, reusable

REF

with hand inflator

53-05-100

with hand inflator and manometer

53-06-100

with hand inflator and manometer
(Shock Resistant Precision Manometer)

53-08-100



REF 56-02-100

Pressure Infusion Cuff 1000ml for single patient use

- | | |
|--|------------------|
| with female Luer Lock connection | REF
56-01-100 |
| with hand inflator, release valve and color coded pressure gauge | 56-02-100 |
| with hand inflator and release valve | 56-03-100 |



REF 57-08-050

transparent Pressure Infusion Cuff Wrap-Around Design, reusable

- | | |
|---|-----------|
| 500ml | REF |
| with Manometer and Hand Inflator
(Shock Resistant Precision Manometer) | 57-08-050 |
| with Hand Inflator and color coded pressure gauge | 57-02-050 |
| 1000ml | REF |
| with Manometer and Hand Inflator
(Shock Resistant Precision Manometer) | 57-08-100 |
| with Hand Inflator and color coded pressure gauge | 57-02-100 |

Tourniquet „Tourny I“

with stainless steel buckle, controlled pressure release

REF 20-30-000 Box 20



Tourniquet „Tourny II“

with Aluminium buckle, controlled pressure release

REF 20-32-000 Box 20



Tourniquet „Tourny III“

with plastic buckle, controlled pressure release

REF 20-30-100 Box 20



Tourniquet for Child

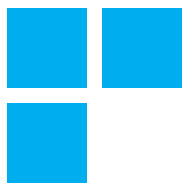
elastic tape with velcro fastening

REF 20-30-005 Box 10



Index

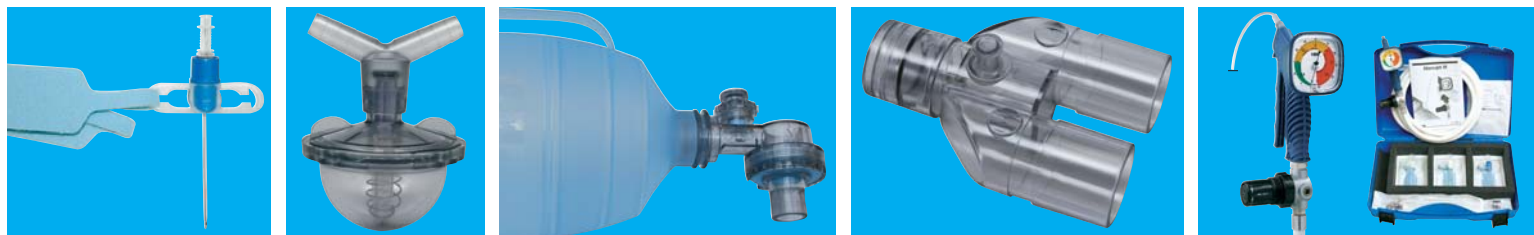
A	Adapter Set	26	M	Magill Breathing System / Mapleson A	49
	Airways	18		Manometer Connecting Tubings	3, 15, 37
	Anesthetic System for Pediatric	45		Manujet III	3
	Anesthetic Tube Holders	50		Masks	10-13, 56, 59
	Attachment Devices for Respiration Tubings	54-55		Meconium Aspirators	23
	Ayres T-Pieces	49		Membranes for Filter and HME	41
B	Baby Endofix	17		Monitor	14
	Bill	9		Muallem ETT Introducer (METTI)	5
	Biteblocks	19		Muallem ETT Stylet (METTS)	5
	BROSU	32-33	P	Pediatric	14
	Bronchoscope Airway	12		PEEP Adapter	58, 59
	Bronchoscope/Suction Caps	33		PEEP Valves	13, 58, 59
C	Carrying Case	58		Pocket	14
	Catheter Mount Tubings	27, 31, 34-35		Pressure Infusion Cuffs	60-61
	Catheter Mount Tubings for Pediatric	46		Pressure Transducer	55
	Connecting Tubings	3,15,37		Pressure Transducer Holder	55
	Connection Pieces	22	Q	Quicktrach I	4
	Connectors for Pediatric	46-47		Quicktrach II with Cuff	4
	Connectors for single use	27	R	Rebreathing Bags	44
	Connectors, right angled	28-33		Rescuefix	16
	Connectors, right angled, swivelling	28, 30, 32-33		Reservoir Bags	58, 59
	Connectors, straight	24-26		Reservoir Valves	58, 59
	Control Inflator	8, 14-15		Respiration Cases	57
	CPAP Masks	13		Respiration Support Arms	52
	Cricothyrotomy Trainer	4, 9		Respiration Tubings for Adults	42
	Cuff Controller	15		Respiration Tubings for Pediatric	43
	Cuff Pressure Gauges	8, 14-15		Resuscitation Bags	56-59
D	Double Lumen Tube Adapter	22		Rivier Introducer Airway (RIA)	5
E	Ear Dress	21	S	Sensitive	14
	Endo Adapter 15mm	23		Silicone Tubing, smooth	22
	Endofix Nasal	17		Simulator for Airway Management	9
	Endofix Oral II	16		Stylets	21
	Endojet Adapter	3		Support Arms	50-55
	Endoscope Holder	51		Syringe	8
	Endoscopy Masks	12	T	T-Connectors	36
	Endotape Oral/Nasal	17		Tourniquet	61
	Expiration Valves	49		Tracheostomy Dressing	21
F	Face Masks	10-13, 56, 59		Tracheostomy Necktapes	20
	Filters	40-41		Trainer for Cricothyrotomy	4, 9
	Fixation Clamps	53		Transparent Head	8
	Fixation Tapes for Masks	11-13		Tube Clip	42, 55
	Frova Crico-Trainer	4, 9		Tube Fixations	16-17
H	Harness	11-13		Tube Holder	17
	H M E	40-41		Tube Inhaler	30-31
	Holder for Pressure Transducer	55	U	Uncoupling Wedge	29
	Hook for Respiration Tubings	42		Universal	14
	Hook for Resuscitation Bags	58	V	Variable	14
	Hook Ring for Masks	11, 12, 56	W	Watertraps	45
I	Introducer Airway	5		Waters Breathing System	49
J	Jackson Rees Systems	48	Y	Y-Connectors	37-39
	Jet Ventilation Catheters	3			
L	Laryngeal Tube LT, LT-D	6			
	Laryngeal Tube LTS II, LTS-D	7			



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