

# AERObube®

Securing the airways | Tubing Systems | Various Aids

**Airway Management | Ventilation Management**

Diverse systems for versatile applications

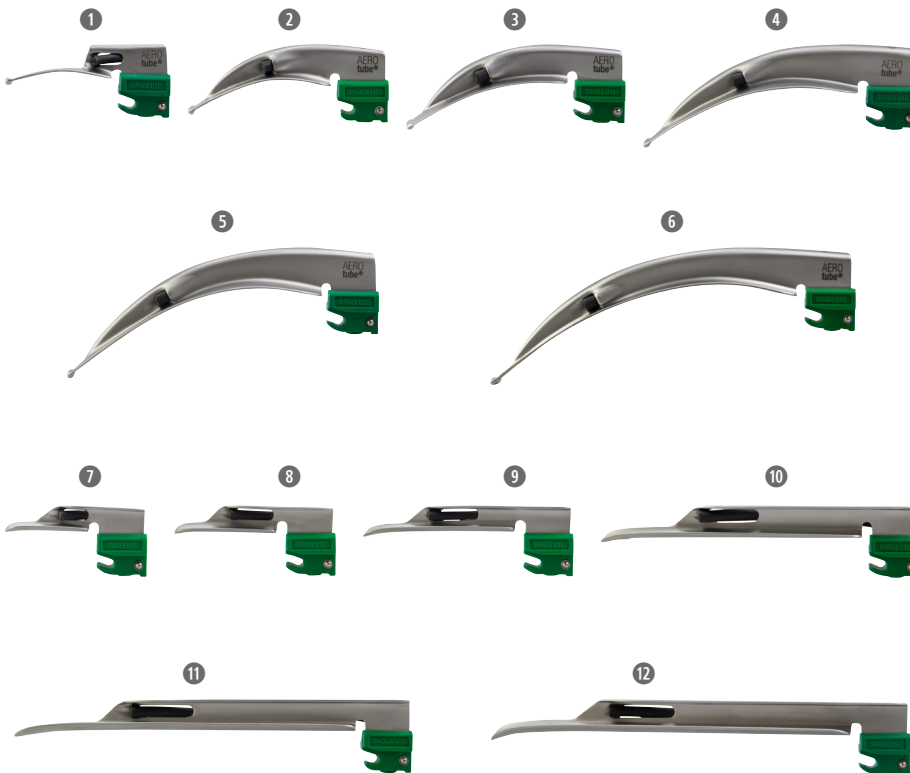


**HUM**  
Systems for Life®

AERObube® - Metal Laryngoscope Blades | Single Use

Single use F.O. laryngoscope blades made of stainless steel, types Macintosh and Miller.

- Compatible according to DIN EN ISO 7376 (Green Standard)
- Black light guide coating prevents reflections
- High light conductivity
- Smooth, rounded mat surface
- Hygienically safe, no risk of cross-contamination
- No reprocessing effort



Macintosh	Size	Item No.
	0	① HLK02-SMC0LS-E
	1	② HLK02-SMC1LS-E
	2	③ HLK02-SMC2LS-E
	3	④ HLK02-SMC3LS-E
	4	⑤ HLK02-SMC4LS-E
	5	⑥ HLK02-SMC5LS-E

Miller	Size	Item No.
	00	⑦ HLK02-SML00LS-E
	0	⑧ HLK02-SML0LS-E
	1	⑨ HLK02-SML1LS-E
	2	⑩ HLK02-SML2LS-E
	3	⑪ HLK02-SML3LS-E
	4	⑫ HLK02-SML4LS-E

AERObube® - Metal Laryngoscope Handles | Reusable

Reusable F.O. laryngoscope handles, ECO version, in three different designs.

- Compatible according to DIN EN ISO 7376 (Green Standard)
- High quality brass with nickel-chrome coating
- Battery-operated (2 x 1.5V type C or 2 x 1.5V type AA)
- Energy-saving LED technology
- Very good luminosity
- Non-slip grip sleeve surface

NEW PRODUCT



Standard LED with very good luminosity

Description	Item No.
Standard (Ø 28 mm)	① HLK04-GB28-M
Slim (Ø 19 mm)	② HLK04-GB19-M
Short (Ø 32 mm)	③ HLK04-GB32-M

Delivery without batteries

Universal CPAP Breathing Tubes | Standard and Slim

NEW PRODUCT

High quality universal CPAP breathing tubes of type Standard ❶ ❷ (19 mm) and Slim ❸ ❹ (15 mm), with 22 mm cuffs, in grey, length 1.80 m, for adults. Each available in the versions Classic and the even lighter and more flexible Classic FL (Classic Flex). For use with respiratory therapy devices and humidifiers with conical connectors acc. DIN EN ISO 5356-1. Applicable in the non-invasive respiratory therapy in homecare, hospital and sleep-lab.

- Flex variants even lighter and more flexible
- Made of polyethylene (PE) and polypropylene (PP)
- 6 year shelf life
- For single-patient-use
- Latex-free and DEHP-free
- Individually packed



Version	Ø	Item No.
CPAP breathing tube   Standard (Classic 19)	19 mm	❶ HCS21-1800-G
CPAP breathing tube   Standard Flex (Classic FL 19)	19 mm	❷ HCS21-1800FL-G
CPAP breathing tube   Slim (Classic 15)	15 mm	❸ HCS21-1800-GSL
CPAP breathing tube   Slim Flex (Classic FL 15)	15 mm	❹ HCS21-1800FL-GSL

CPAP Tubing System for SOMNOcomfort (Löwenstein Medical Technology / Weinmann)

CPAP tubing system CSS3 including 22 mm CPAP breathing tube with 22 mm silicone cuffs, length 1.80 m. With internal pressure measurement hose 3 x 1 and 2 sealing plugs. Suitable for CPAP device SOMNOcomfort.



Version	Ø	Item No.
CPAP breathing tube 1.80 m	22 mm	HCSS03-1800-WM

## AERObube® - Tubing Connectors

Accessories - CPAP Breathing Tubes | Tubing Systems

Tubing connectors / adapters for connecting anesthesia / ventilation and CPAP breathing tubes or tubing systems.



### Single Use

- 22M / 15F - 22M / 15F



### Single Use

- 22M - 22F
- O<sub>2</sub> connector



### Reusable

- Autoclavable up to 134 °C
- 22M / 15F - 22M / 15F

Discontinued item

Material	Item No.
Polyethylene (PE)   Single use	① HBAD01-22M15F-22M15F
Polysulfone (PSU)   Reusable	② HBAD02-22M15F-22M15F <span>Discontinued item</span>
Polyethylene (PE), Polypropylene (PP)   Single use	③ HBAD01-22M-22F-6

## AERObube® - Accessories for CPAP Therapy

Accessories for CPAP Therapy

Products for more hygiene and comfort in CPAP therapy.



Delivery without tubing

### Tube Cleaning System

Simplifies cleaning and storage of CPAP tubes

- For all CPAP tubes with 22 mm cuffs
- Attachment with suction cup or hook
- Reusable
- Washable



Delivery without tubing

### Hose Wrap

To avoid condensation

- Improves heat retention along the hose
- Made of high quality nylon
- Hand wash cleaning
- Length approx. 1.73 m
- Compatible with almost all CPAP hoses length 1.80 m



### Mask Stand

For easy storage of CPAP masks

- Compatible with almost all CPAP masks, nasal masks, full face masks
- Also ideal for drying the mask after cleaning
- With adjustable clamps
- Dimensions (W x H x D):  
Approx. 17.8 x 23.8 x 14 cm



Petite / Small



Medium / Large

### Nose Pads

Gel pads for CPAP Masks

- Relieves the pressure | Reduces leaks
- Protects against skin irritations
- Latex-free, hypoallergenic and washable
- Usage time up to 30 days
- Dimensions:  
Approx. 8.6 x 3.1 cm (Petite / Small)  
Approx. 9.3 x 3.5 cm (Medium / Large)

Description	Item No.
Hose cleaning system	① HCZ01-RS1-HB
Hose sleeve	② HCZ01-SH1-BLK
Mask stand	③ HCZ01-ST1-W
Nose pad petite / small	④ HCZ01-NP-PS
Nose pad medium / large	⑤ HCZ01-NP-ML

## AERObube® - Ventilation Tubing Systems and Individual Components

Ventilation tubing systems as well as water traps and tubing connectors as available individual components according to the item number specified. All components non-sterile, individually hygienically packed, suitable for adults. For anesthesia and emergency medicine.

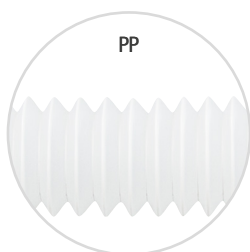
### Different systems

- PE tubing systems - corrugated tubing, with fixed length
- PP tubing system - corrugated tubing extendable
- Silicone tubing system - spiral tubing smooth inside
- PE coaxial tubing systems

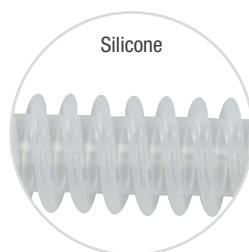
### Materials



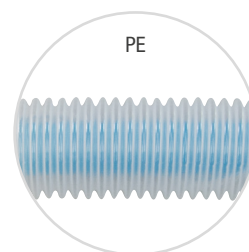
Corrugated tubing



Corrugated tubing extendable



Spiral tubing



Coaxial

### Breathing Bags

0,5 | 1,0 | 2,0 | 3,0 liters (see complete overview on page 138)



Latex-free



Latex



Silicone

### Connectors as well as available individual components

Y-Connector



Y-Connector straight



Y-Connector straight



With Luer-Lock | For silicone tubing

90° Angle Adapter



90° Angle Adapter, with Luer-Lock



90° Angle Adapter, reusable



Discontinued item

HBAD02W-22M/15F-22F

PP Water Trap, Single Use



HWF06-22AD

PE Tubing Connector  
22M / 15F - 22M / 15F



HBAD01-22M15F-22M15F

PE/PP Tubing Connector,  
22M - 22F with O<sub>2</sub> connection



HBAD01-22M-22F-6

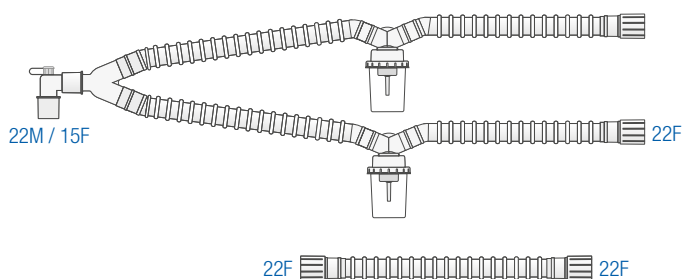
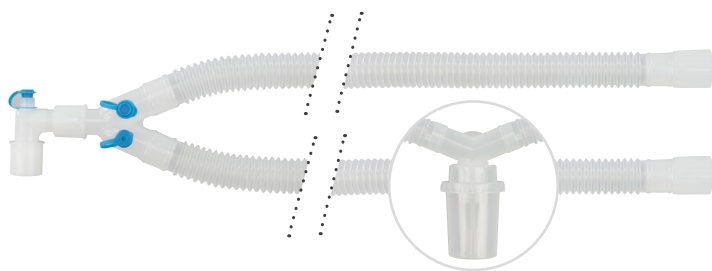
PSF Tubing Connector,  
22M / 15F - 22M / 15F



Discontinued item

HBAD02-22M15F-22M15F

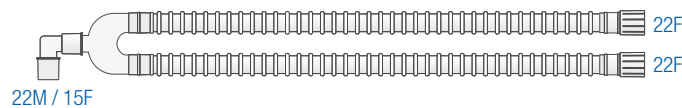
PE Ventilation Tubing Systems | Corrugated Tubing, with fixed length



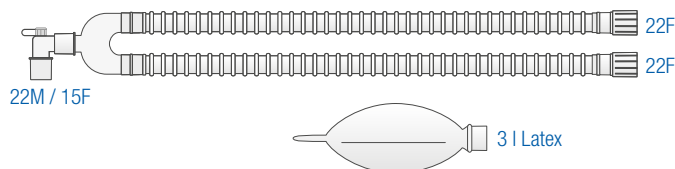
Model	Item No.
Adults 22 mm / 1.50 m 90° angle adapter with Luer-Lock / CO <sub>2</sub> Port Y-piece without ports 2 water traps additional tubing 0.75 m	HBSS12-150E1-318B1



Model	Item No.
Adults 22 mm / 1.50 m Y-piece straight, without ports	HBSS12-150E1-451

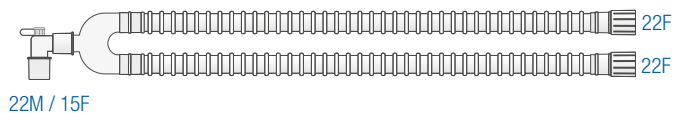


Model	Item No.
Adults 22 mm / 1.50 m 90° angle adapter, without ports Y-piece straight, without ports	HBSS12-150E1-701



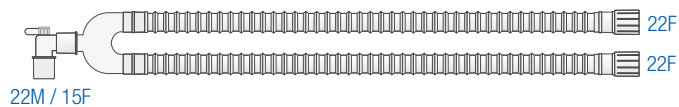
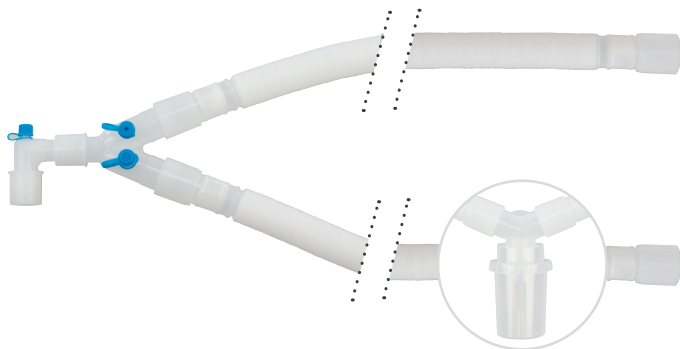
Model	Item No.
Adults 22 mm / 1.50 m 90° angle adapter with Luer-Lock / CO <sub>2</sub> port Y-piece straight, without ports 3 liter latex breathing bag	HBSS12-150E1-704L3





Model	Item No.
Adults 22 mm / 1.50 m 90° angle adapter with Luer-Lock / CO <sub>2</sub> port Y-piece straight, without ports	HBSS12-150E1-704

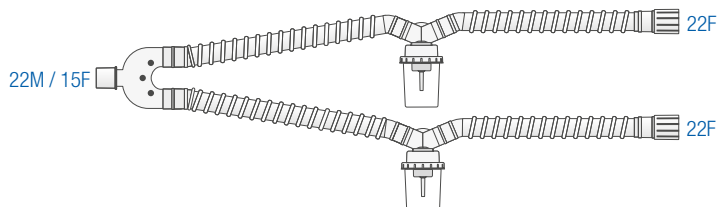
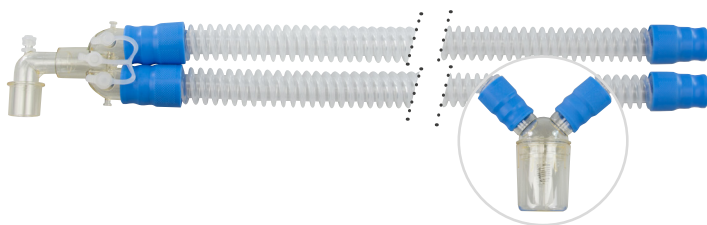
### PP Ventilation Tubing System - Corrugated Tubing, extendable



Model	Item No.
Adults 22 mm / 0.60 m to 2.40 m extendable 90° angle adapter with Luer-Lock / CO <sub>2</sub> port Y-piece straight, without ports	HBSS14-240E1-704

### Silicone Ventilation Tubing System - Spiral Tubing, smooth inside

Spiral-reinforced ventilation tubing with smooth interior, extremely flexible and kink-resistant. Minimises accumulations of fluid and reduces growth of microorganisms. Reusable / autoclavable up to 134°C



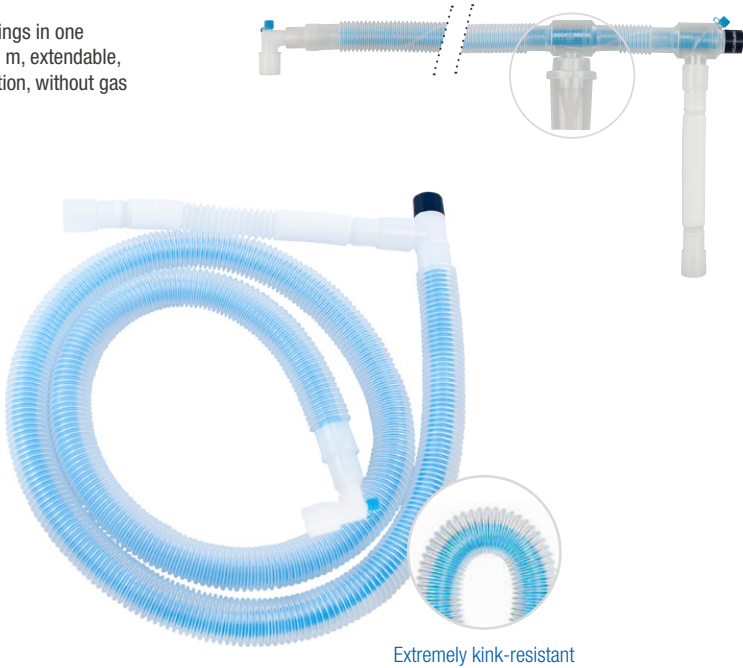
Model	Item No.
Adults 22 mm / 1.50 m 90° angle adapter with Luer-Lock / CO <sub>2</sub> port Y-piece straight, with pressure-, temperature- and Luer-Lock / CO <sub>2</sub> port 2 water traps	HBSS16-150E1-792

PE Coaxial Ventilation Tubing Systems

Single use coaxial ventilation tubing systems which combine two tubings in one (inspiratory and expiratory tubing). Available in lengths 1.50 and 1.80 m, extendable, for adults. With 22F connections, 90° angle adapter with CO<sub>2</sub> connection, without gas sampling hose. For use in anesthesia and intensive care medicine.

- Extremely kink-resistant
- Low own weight
- Comfortable ventilation for the patient
- Space-saving and safe to use
- Made of polyethylene (PE), latex-free

The inspiratory gas supplied during ventilation will be heated by the exhaled air of the patient



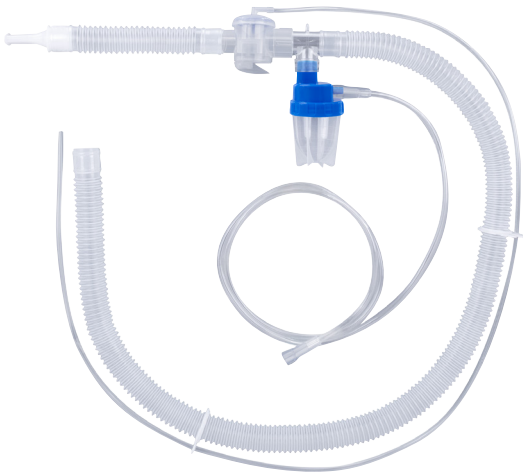
Version	Item No.
22 mm   1.50 m extendable	HBSS12-150E1C1-254
22 mm   1.80 m extendable	HBSS12-180E1C1-254



Further versions are available upon request

AERObube® - Universal IPPB Tubing System

Tubing system 22 mm, including 1 m and 0.15 m corrugated tubing, 2 control tubings 1.20 m, exhalation valve, 20 ml medication nebulizer and mouthpiece.



Total length   Ø	Item No.
Approx. 1,20 m   22 mm	HBSS12-IPPB

AERObube® - Corrugated Tubings

Single use corrugated tubings 22 mm, made of polyethylene (PE) and ethylene vinyl acetate (EVA) with 22 mm connection sleeves. Available in lengths 0.4 m and 1 m.



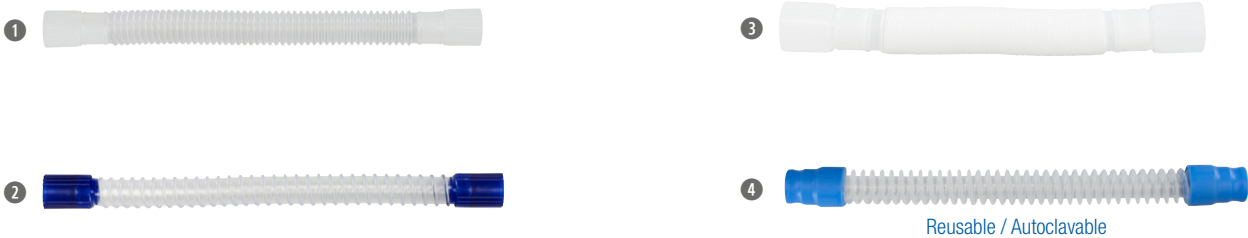
Length	Item No.	
0.4 m	HFS05-22-0.40	Discontinued item
1.0 m	HFS05-22-1	Discontinued item



# AERObube® - Ventilation Tubings

Ventilation tubings in different versions, made of **PE** | **PVC** | **PP** | **Silikon**

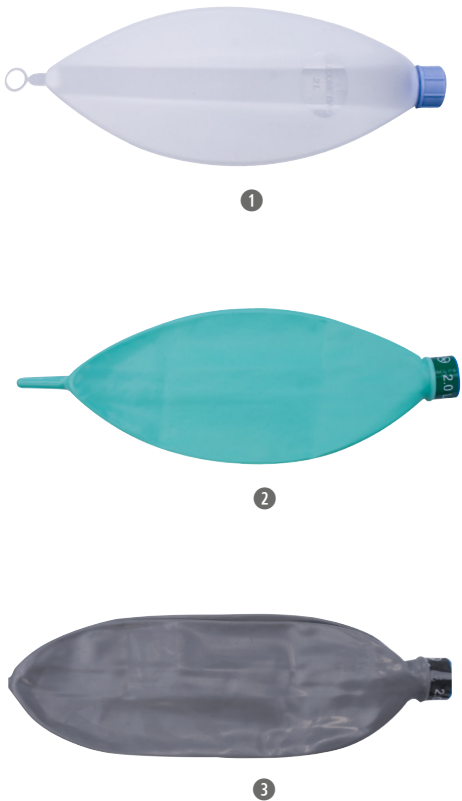
- For Adults | Children
- Fixed lengths | Extendable version
- With 22F cuffs



Material	Model	Item No.
1 Polyethylene (PE)	Adults 22 mm / Length 0.75 m	HBS12-075E1
	Children 15 mm / Length 0.75 m	HBS12-075K1
2 Polyvinyl chloride (PVC)	Adults 22 mm / Length 0.75 m	HBS11-075E1
	Children 15 mm / Length 0.75 m	HBS11-075K1
3 Polypropylene (PP)	Adults 22 mm / 0,20 m up to 0.75 m extendable	HBS14-075E1
	Children 15 mm / 0,20 m up to 0.75 m extendable	HBS14-075K1
4 Silicone	Adults 22 mm / Length 0.60 m	HBS16-060E1

# AERObube® - Breathing Bags

Single use latex or latex-free breathing bags as well as reusable breathing bags made of silicone, with 22F connections.

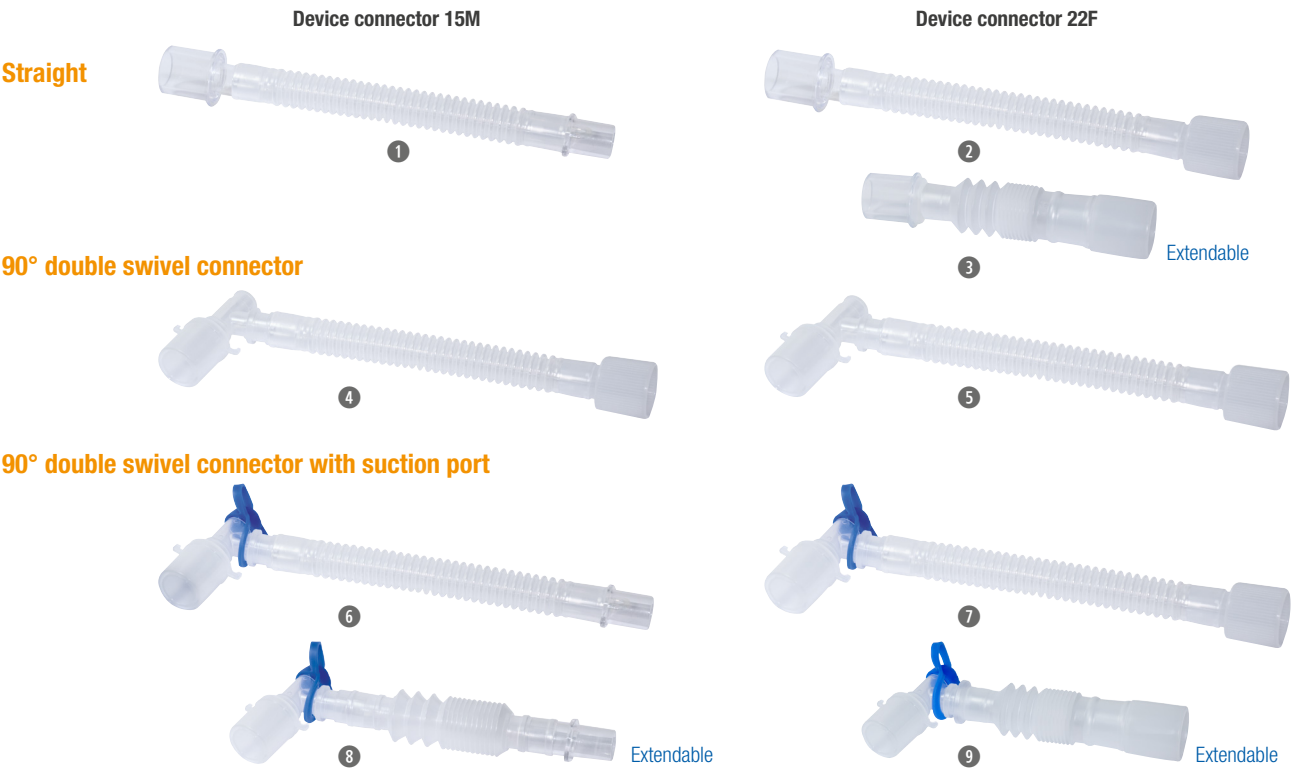


Material   Colour	Size	Item No.
1 Silicone   White Autoclavable up to 134 °C	0.5 l	HBAB01-500
	1.0 l	HBAB01-1000
	2.0 l	HBAB01-2000
	3.0 l	HBAB01-3000
2 Latex-free   Green	0.5 l	HBAB02-500
	1.0 l	HBAB02-1000
	2.0 l	HBAB02-2000
	3.0 l	HBAB02-3000
3 Latex   Grey	0.5 l	HBAB03-500
	1.0 l	HBAB03-1000
	2.0 l	HBAB03-2000
	3.0 l	HBAB03-3000

## AERObube® - Catheter Mounts

Single use catheter mounts for connecting the patient to the ventilation system. Patient-side connections 22M / 15F, available in different types, individually packed.

- Device connector 15M or 22F
- Fixed length 180 mm, made of polyethylene (PE) and ethylene vinyl acetate (EVA) | Extendable from 90 - 140 mm or 110 - 180 mm, made of polypropylene (PP)
- Straight | 90° double swivel connector | 90° double swivel connector with suction port



Type	Connections		Length		Item No.
	Patient	Device	Fixed	Extendable	
Straight	22M / 15F	15M	180 mm		① HTV06-15M/18
	22M / 15F	22F	180 mm		② HTV06-22F/18
	22M / 15F	22F		90 - 140 mm	③ HTV06-22F/14A
90° double swivel connector	22M / 15F	15M	180 mm		④ HTV06-15M/18-DK
	22M / 15F	22F	180 mm		⑤ HTV06-22F/18-DK
90° double swivel connector with suction port	22M / 15F	15M	180 mm		⑥ HTV06-15M/18-DKK
	22M / 15F	22F	180 mm		⑦ HTV06-22F/18-DKK
	22M / 15F	15M		110 - 180 mm	⑧ HTV06-15M/18A-DKK
	22M / 15F	22F		90 - 140 mm	⑨ HTV06-22F/14A-DKK

## AERObube® - Test Lung

Reusable test lung 1000 ml, for easy testing and calibration of ventilators, used in the treatment of various respiratory and pulmonary diseases.

- Standard connection 15 mm OD acc. DIN EN ISO 5356-1
- Compliance 25ml / cmH<sub>2</sub>O
- Airway resistance 11 cmH<sub>2</sub>O / l / s
- Tidal volume 500 ml (with 1 l bag)
- Autoclavable silicone components - at 121 °C for 15 min, silicone-free components - cleaning and disinfection by wiping

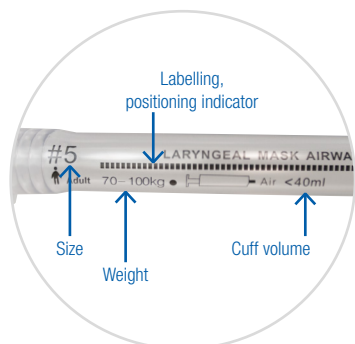


Colour	Item No.
White	HTL02-1000W

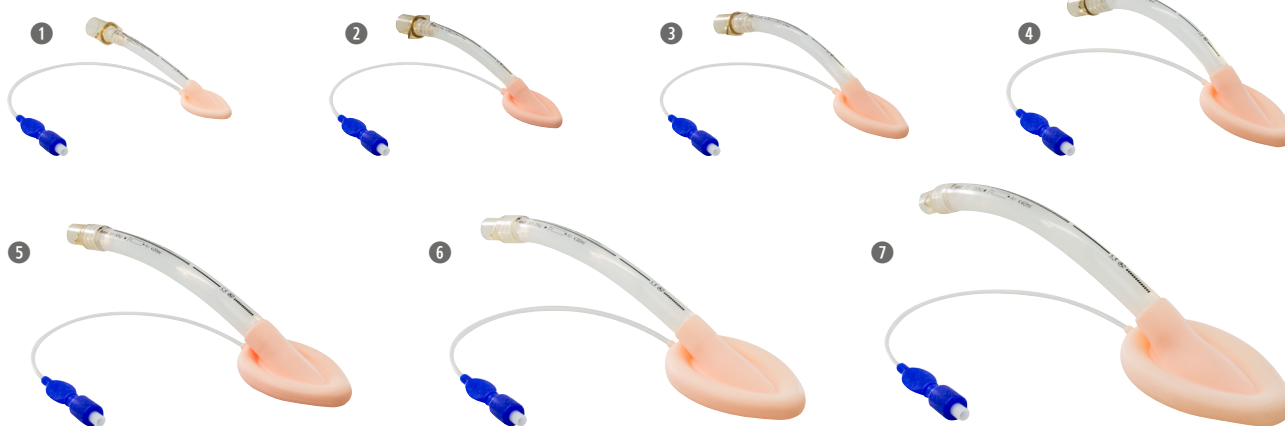
## AERObube® - Laryngeal Airway Masks

Reusable silicone laryngeal masks as well as single use PVC laryngeal masks, colour-coded. In case of difficult airways, optimal alternative to ventilation with masks and endotracheal tubes.

- 15 mm connector acc. DIN EN ISO 5356-1
- Control marking for correct positioning
- Soft, classically shaped cuff with a good seal
- Control balloon for monitoring the internal cuff pressure
- Individually sterile packed










### Silicone (Reusable / Autoclavable)



### PVC (Single Use)



Size	Patient group	Body weight (kg)	ID mm	OD mm	Cuff volume max. (ml)	Item No.	
						Silicone	PVC
1	Neonates	0 - 5	5.8	8.8	4	① HLM11-1	⑧ HLM12-1 
1.5	Infants	5 - 10	6	10	7	② HLM11-1.5	⑨ HLM12-1.5 
2	Infants / Children	10 - 20	7.8	12	10	③ HLM11-2	⑩ HLM12-2 
2.5	Children	20 - 30	8.5	13.2	14	④ HLM11-2.5	⑪ HLM12-2.5 
3	Children	30 - 50	10.2	15	20	⑤ HLM11-3	⑫ HLM12-3 
4	Adults	50 - 70	10	15	30	⑥ HLM11-4	⑬ HLM12-4 
5	Adults	70 - 100	12	17	40	⑦ HLM11-5	⑭ HLM12-5 

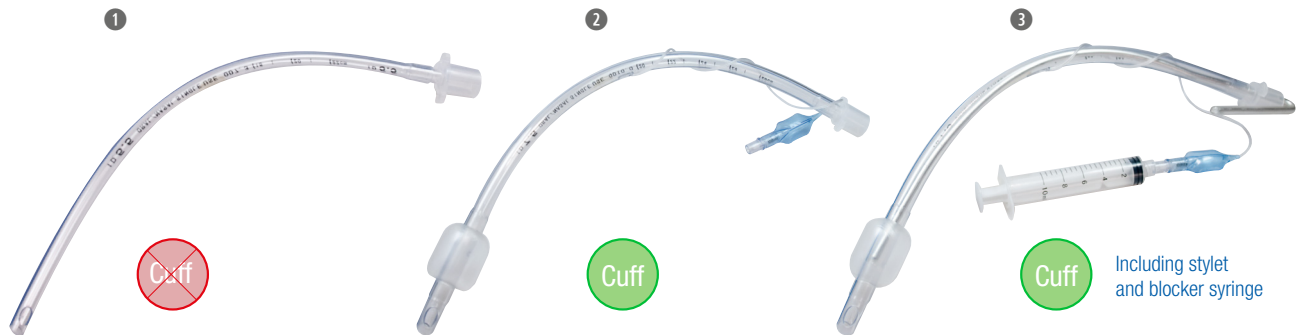
## AERObube® - Endotracheal Tubes

Single use endotracheal tubes made of crystal-clear and soft PVC, without low pressure cuff ❶, with low-pressure cuff ❷ and sets consisting of endotracheal tube with low pressure cuff, stylet and blocker syringe ❸. Suitable for short and long term tracheal intubation.

- Type Magill with Murphy eye
- 15 mm ISO connector
- Control marking for correct tube position
- Soft low pressure cuff
- Control balloon for monitoring the internal cuff pressure
- Individually sterile packed



Magill tip Murphy-eye



Ø			Item No.		
Size	OD mm (± 0.15)	ID mm (± 0.15)	❶ without cuff	❷ with cuff	❸ Set
2	2.7	2.0	HET01-20		
2.5	3.3	2.5	HET01-25	HET01-25M	
3	4.0	3.0	HET01-30	HET01-30M	
3.5	4.7	3.5	HET01-35	HET01-35M	
4	5.3	4.0	HET01-40	HET01-40M	
4.5	6.0	4.5	HET01-45	HET01-45M	
5	6.7	5.0	HET01-50	HET01-50M	HET01-50M-SET
5.5	7.3	5.5	HET01-55	HET01-55M	HET01-55M-SET
6	8.0	6.0	HET01-60	HET01-60M	HET01-60M-SET
6.5	8.7	6.5	HET01-65	HET01-65M	HET01-65M-SET
7	9.3	7.0	HET01-70	HET01-70M	HET01-70M-SET
7.5	10.0	7.5	HET01-75	HET01-75M	HET01-75M-SET
8	10.7	8.0	HET01-80	HET01-80M	HET01-80M-SET
8.5	11.3	8.5	HET01-85	HET01-85M	HET01-85M-SET
9	12.0	9.0	HET01-90	HET01-90M	HET01-90M-SET
9.5	12.7	9.5	HET01-95	HET01-95M	
10	13.3	10.0	HET01-100	HET01-100M	

AERObube® - Stylets

Single use stylets for endotracheal tubes, individually sterile packed (sterilised with ethylene oxide).



Charrière (CH)	Ø in mm (± 0.05 mm)	Length in mm (± 10 mm)	Item No.
6	2.0	270	HET01-FS06
10	3.3	335	HET01-FS10
14	4.7	325	HET01-FS14



Stylets with other charrières are also available upon request

AERObube® - Guedel Tubes

Single use oropharyngeal tubes according to Guedel, semi-transparent.

- Outer material made of flexible polyethylene
- Integrated bite block made of stable polypropylene
- Colour coded according to sizes



Size	Length	Colour code	Item No.
000	40 mm		① HOT01-G000
00	50 mm		② HOT01-G00
0	60 mm		③ HOT01-G0
1	70 mm		④ HOT01-G1
2	80 mm		⑤ HOT01-G2
3	90 mm		⑥ HOT01-G3
4	100 mm		⑦ HOT01-G4
5	110 mm		⑧ HOT01-G5
6	120 mm		⑨ HOT01-G6

Sets in polybag or transparent and stable storage box



For sizes 000 - 5,  
Dimensions 13 x 17 x 4.5 cm (L x W x H)



For sizes 000 - 6

Sizes	Packaging	Item No.
000 - 5	Plastic box	HOT01-G000-5-BOX
000 - 6	Polybag	HOT01-G000-6



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