

AIRWAY MANAGEMENT



MEDICAL DEVICES FOR
LARYNGECTOMY AND
TRACHEOTOMY CARE

Edition/date: 03/2019

The manufacturer reserves the right to alterations to the products listed. especially technical alterations

Copyright

The contents of this catalogue. including all of its parts and images are protected by copyright. Any use beyond the narrow limits of the copyright without the consent of the author is prohibited and subject to prosecution. This applies. in particular, to reproductions, translations, microfilming and the storage and processing of the data in electronic systems.

This brochure contains only a small selection of our product range. More about our range of products you will find at www.fahl.de.

LOCATIONS

Andreas Fahl Medizintechnik-Vertrieb GmbH

- August-Horch-Str. 4a
- 51149 Köln Germany +49 (0) 22 03/29 80-0
- (a) +49 (0) 22 03/29 80-100
- info@fahl.de
- www.fahl.de

Fahl Scandinavia AB

- Building 301 Medicon Village223 81 Lund Schweden
- +46 (0) 46 287 37 90
- info@fahl-scandinavia.se
- www.fahl-scandinavia.se

Local branch Berlin

- Am Borsigturm 6213507 Berlin Germany
- +49 (0) 30/43 73 139-0
- +49 (0) 30/43 73 139-35
- o info@fahl.de
- www.fahl.de

Local branch Munich

- Aurbacher Straße 281541 München Germany
- +49 (0) 89/58 90 90 9-0
- +49 (0) 89/58 90 90 9-20
- o info@fahl.de
- www.fahl.de

Overseas branch Austria

- Triester Straße 14 / Bürohaus 2 2351 Wiener Neudorf - Austria
- +43 (0) 22 36/89 28 38-0
- +43 (0) 22 36/89 28 38-14
- o info@fahl.de
- www.fahl.de

Overseas branch Switzerland

- Cherstrasse 4
- 8152 Glattbrugg Schweiz
- +41 (0) 448293060
- +41 (0) 448293061
- info@fahl-medical.chwww.fahl-medical.ch

HOW TO FIND US - HEAD OFFICE COLOGNE



TRACHEOSTOMY TUBES		4
TRACHEOSTOMY TUBES - LINGO / PHON		14
TRACHEOSTOMY TUBES - CUFF		22
TRACHEOSTOMY TUBES - LINGO CUFF / PHON	00	27
TRACHEOSTOMY TUBES - SUCTION		33
VOICE PROSTHESES		36
SPEAKING VALVES		41
TRACHEOSTOMA VALVES		43
HME FILTER CASSETTES / BASE PLATES	6 9	44
TRACHEAL COMPRESSES		53
CLEANING AND CARE OF CANNULAS		56
TUBE HOLDERS		59
TRACHEOSTOMA PROTECTION		63
INHALATION AND AIR HUMIDIFICATION		68
TRACHEAL SUCTION DEVICES		70
SPEECH AIDS / VOICE AMPLIFIERS		72
EMERGENCY AIDS		73
WATER THERAPY		75
CLINICAL PRODUCTS		76
ANATOMY / FURTHER INFORMATION		79

We provide a wide range of tracheostomy tubes made from various materials and with different design patterns. This diversity is due to the fact that tracheostomy tubes should be ideally matched to the individual requirements of each patient.

The doctor, who individually selects and adjusts the tubes for each patient, should be made aware of the complete range to allow him to select the best product for his patients.

	Description	Unit / pcs	Size	REF	
	SILVERVENT® 1 IC	1	1 - 13	10000	
	SILVERVENT® UNI 1 ICU	1	0 - 12	10500	
MRT MRT	DURAVENT®	1	3 - 13	11000	
XL MRT	DURAVENT® XL	1	5 - 13	11200	
MRT MRT	DURAVENT® 1 IC	1	3 - 13	11001	
XL MRT	DURAVENT® XL 1 IC	1	5 - 13	11201	

	Description	Unit / pcs	Size	REF	
MRT MRT	DURAVENT® 2 IC	1	3 - 13	11002	
MRT MRT	DURAVENT® UNI 1 ICU	1	3 - 13	11011	
C. MRT	DURAVENT® UNI 1 IC + 1 ICU	1	3 - 13	11022	
MRT MRT	DURAVENT® UNI XL 1 IC + 1 ICU	1	5 - 13	11222	
MRT MRT	DURAVENT® UNI 2 ICU	1	3 - 13	11012	
MRT MRT	DURAVENT® KOMBI 1 IC + 1 ICK	1	5 - 13	11092	
Lizami Lizami	DURAVENT® SOLO-ADAPTER KOMBI	5	5 - 13	11990	
Temm!	DURAVENT® SOLO-ADAPTER UNI	5	5 - 13	11992	

	Description	Unit / pcs	Size	REF	
MRT	DURAPUR®	1	7 - 12	23000	
XL MRT	DURAPUR® XL	1	8 - 10	23200	
MRT MRT	DURAPUR® 1 IC	1	7 - 12	23001	
XL MRT	DURAPUR® XL 1 IC	1	8 - 10	23201	
MRT MRT	DURAPUR® UNI 1 ICU	1	7 - 12	23011	
XL XL	DURAPUR® UNI XL 1 ICU	1	8 - 10	23211	
MRT MRT	DURAPUR® KOMBI 1 ICK	1	7 - 12	23081	

	Description	Unit / pcs	Size	REF	
XL MRT	DURAPUR® KOMBI XL 1 ICK	1	8 - 10	23281	
MRT	DURAPUR® IC	1	7 - 12	23801	
XL MRT	DURAPUR® IC XL	1	8 - 10	23701	
MRT MRT	DURAPUR® ICU	1	7 - 12	23811	
MRT MRT	DURAPUR® ICK	1	7 - 12	23881	
MRT STERILE	LARYNGOTEC®	1	9 - 12	14120	
MRT STERILE	LARYNGOTEC® KOMBI	1	7 - 13	14920	
MRT STERILE	LARYNGOTEC® KOMBI CLIP	1	7 - 13	14830	

	Description	Unit / pcs	Size	REF	
MRT PED STERILE	DURATWIX® JUNIOR PED UNI	1	3 - 6	17401	
MRT PED STERILE	DURATWIX® JUNIOR PED L UNI	1	3 - 6	17431	
STERILE	SPIRAFLEX® UNI	1	6 - 11	17504	
MRT STERILE	SPIRAFLEX® MRT UNI	1	6 - 11	17521	
S STERILE	SPIRAFLEX® SHORT UNI 2 ICX	1	6 - 11	17506	
FLEX STERILE	SPIRAFLEX® ICX	3	6 - 11	17543	
S STERILE	SPIRAFLEX® SHORT ICX	3	6 - 11	17516	

	Description	Unit / pcs	Size	REF	
MRT STERILE	TRACHEOTEC® VARIO	1	3 - 10	18560	
MRT STERILE	FAHL® BIESALSKI 2 IC + Speaking valve	1	4 - 12	17900	
MRT STERILE	FAHL® BIESALSKI IC	3	6 - 12	17905	
MRT STERILE	FAHL® BIESALSKI Speaking valve S	2	4 - 7	17901-01	
MRT STERILE	FAHL® BIESALSKI Speaking valve M	2	8 - 9	17901-02	
MRT STERILE	FAHL® BIESALSKI Speaking valve L	2	10 - 12	17901-03	
MRT STERILE	DURATWIX® UNI	1	7 - 10	19201	

	Description	Unit / pcs	Size	REF	
MRT STERILE	DURATWIX® UNI short	1	7 - 10	19202	
MRT STERILE	DURATWIX® UNI-VARIO 1 ICU + 1 ICV	1	6 - 10	19211	
MRT STERILE	DURATWIX® UNI-VARIO short 1 ICU + 1 ICV	1	7 - 10	19212	
STERILE	DURATWIX® IC	3	7 - 10	19801	
STERILE	DURATWIX® IC short	3	7 - 10	19802	
STERILE	DURATWIX® ICU	3	6 - 10	19811	
STERILE	DURATWIX® ICU short	3	6 - 10	19812	
STERILE	DURATWIX® ICV	3	6 - 10	19821	

		Description	Unit / pcs	Size	REF	
	S	DURATWIX® ICV short	3	6 - 10	19822	
STERILE						
		DURATWIX® ICU contrast	3	6 - 10	19803	
STERILE						
STERILE		DURATWIX® ICK	3	7 - 10	19831	
STERILE						
STERILE	S	DURATWIX® ICK short	3	7 - 10	19832	
U _{22mm} STERILE						
STERILE STERILE		DURATWIX® SOLO-ADAPTER KOMBI	3	22 mm	19808	
STERILE		DURATWIX® SOLO-ADAPTER VARIO	3	15 mm	19807	
STERILE STERILE		DURATWIX® SOLO-ADAPTER UNI	3	15 mm	19806	
MRT STERILE		TRACHEOSILC® VARIO	1	5 - 9,5	18820	
LI BUTTON		LARYNGOTEC® Stoma Button FIX	1	8 - 12	15900	

	Description	Unit / pcs	Size	REF	
S	LARYNGOTEC® Stoma Button FIX short	1	8 - 12	15910	
	LARYNGOTEC® Stoma Button	1	8 - 12	15905	
S	LARYNGOTEC® Stoma Button short	1	8 - 12	15915	
	LARYNGOTEC® KOMBI Stoma Button FIX	1	8 - 12	15950	
S S	LARYNGOTEC® KOMBI Stoma Button FIX short	1	8 - 12	15960	
Z _{20m} Gutton	LARYNGOTEC® KOMBI Stoma Button	1	8 - 12	15955	
S Burner	LARYNGOTEC® KOMBI Stoma Button short	1	8 - 12	15965	
	FAHL® T-Tube	1	8 - 14	27502	
STERILE	FAHL® Tracheo-Safe C	1	45 mm	20895	
STERILE	FAHL® Tracheo-Safe P	1	70 mm	20898	

	Description	Unit / pcs	Size	REF	
	SENSOTRACH® Foam OVAL	10	oval	30790	
	SENSOTRACH® Foam PRO OVAL	10	oval	30791	
•	SENSOTRACH® Foam ROUND	10	round	30792	
Q	SENSOTRACH® Foam PRO ROUND	10	round	30793	

These tracheostomy tubes have an opening in the upper (convex) wall of the tube shaft facing the larynx, the so-called sieve-fenestration. While most conventional tracheostomy tubes have one or two simple holes the Fahl tracheostomy tubes have an elaborate sieve consisting of many small holes to reduce micro-aspiration and the ingrowth of granulation tissue.

If an inner cannula is present, it has an oval opening corresponding to the sieve in the outer cannula. Sieve-fenestrated cannulas are used by tracheostomized patients with intact larynx who are able to speak, or by laryngectomized patients with voice prosthesis who still need a tracheostomy tube to stabilize the trachea and keep the tracheostoma open. In that case the sieve supports the speaking facility provided by the voice prosthesis.

Sieve-fenestrated tracheostomy tubes are usually used in combination with a speaking valve.

	Description	Unit / pcs	Size	REF	
MRT STERILE	LARYNGOTEC® LINGO	1	9 - 12	14220	
MRT STERILE	LARYNGOTEC® KOMBI LINGO	1	7 - 13	14720	
MRT STERILE	LARYNGOTEC® KOMBI CLIP LINGO	1	7 - 13	14820	
MRT STERILE	LARYNGOTEC® KOMBI CUT	1	7 - 13	14725	
C. Communication of the commun	PHONTRACH® KOMBI LINGO-PHON	1	7 - 13	14930	

		Description	Unit / pcs	Size	REF	
BE BE CES	S	SPIRAFLEX® SHORT UNI LINGO-PHON 1 ICX + 1ICFX + Speaking Valve	1	6 - 11	17508	
FEE STERILE	S	SPIRAFLEX® SHORT ICX	3	6 - 11	17516	
TEN IK STERILE	S	SPIRAFLEX® SHORT ICFX	3	6 - 11	17517	
STERILE IK MRT		DURATWIX® UNI-VARIO LINGO 1 ICV + 1 ICFU	1	6 - 10	19261	
STERILE MRT	S	DURATWIX® UNI-VARIO LINGO short 1 ICV + 1 ICFU	1	7 - 10	19262	
MRT STERILE		DURATWIX® UNI LINGO	1	7 - 10	19271	
MRT STERILE	S	DURATWIX® UNI LINGO short	1	7 - 10	19272	

	Description	Unit / pcs	Size	REF	
	DURATWIX® IC	3	7 - 10	19801	
STERILE	DURATWIX® IC short	3	7 - 10	19802	
STERILE	DURATWIX® ICU	3	6 - 10	19811	
STERILE STERILE	DURATWIX® ICU short	3	6 - 10	19812	
STERILE	DURATWIX® ICV	3	6 - 10	19821	
STERILE	DURATWIX® ICV short				
STERILE	DORAT WILL SHORT	3	6 - 10	19822	
STERILE	DURATWIX® ICU contrast	3	6 - 10	19803	
	DURATWIX® ICK	3	7 - 10	19831	
STERILE STERILE	DURATWIX® ICK short	3	7 - 10	19832	
STERILE					

	Description	Unit / pcs	Size	REF	
	DURATWIX® PHON ICF	2	7 - 10	19841	
THOM IK STERILE					
S	DURATWIX® PHON ICF short	2	7 - 10	19842	
PHON IK STERILE					
	DURATWIX® ICF	3	7 - 10	19851	
IK STERILE					
S	DURATWIX® ICF short	3	7 - 10	19852	
IK STERILE					
	DURATWIX® ICFU	3	6 - 10	19861	
15mm IK STERILE					
S	DURATWIX® ICFU short	3	6 - 10	19862	
IK STERILE					
	DURATWIX® ICFV	3	6 - 10	19871	
STERILE STERILE					
S	DURATWIX® ICFV short	3	6 - 10	19872	
STERILE STERILE	DUDATIMIV® IOFIZ		_		
STERILE	DURATWIX® ICFK	3	7 - 10	19881	
S	DURATWIX® ICFK short	3	7 - 10	19882	
STERILE STERILE					

	Description	Unit / pcs	Size	REF	
STERILE	DURATWIX® SOLO-ADAPTER KOMBI	3	22 mm	19808	
STERILE	DURATWIX® SOLO-ADAPTER VARIO	3	15 mm	19807	
STERILE	DURATWIX® SOLO-ADAPTER UNI	3	15 mm	19806	
STERILE	DURATWIX® PLUG	5	15 mm	19805	
Lines Pron K	SILVERVENT® LINGO-PHON 1 ICF	1	0 - 14	20000	
	SILVERVENT® MULTI 1 ICU + 1 ICF-O ₂	1	2 - 13	20300	
Lines Lines Lines Lines Lines	DURAVENT® UNI-KOMBI LINGO 1 ICFU + 1 ICFK	1	5 - 13	11072	
	DURAVENT® LINGO-PHON 1 IC + 1 ICF	1	3,5 - 13	21032	
	DURAVENT® UNI LINGO-PHON 1 ICU + 1 ICF	1	3,5 - 13	21042	

	Description	Unit / pcs	Size	REF	
XL XL XL XL	DURAVENT® UNI LINGO-PHON XL 1 ICU + 1 ICF	1	5 - 13	21242	
IN MRT	DURAVENT® KOMBI LINGO-PHON 1 IC + 1 ICFK + 1 COMBIPHON®	1	5 - 13	21062	
MRT	DURAVENT® UNI-KOMBI LINGO-PHON 1 ICU + 1 ICFK + 1 COMBIPHON®	1	5 - 13	21072	
XL XL IN INGO INGO IN IN IN INGO IN I	DURAVENT® UNI-KOMBI LINGO-PHON XL 1 ICU + 1 ICFK + 1 COMBIPHON®	1	5 - 13	21272	
MRT C2mm O2	DURAVENT® MULTI 1 ICU + 1 ICFK + 1 COMBIPHON® O ₂	1	5 - 13	21055	
	DURAVENT® SOLO-ADAPTER KOMBI	5	5 - 13	11990	
Fisher.	DURAVENT® SOLO-ADAPTER UNI	5	5 - 13	11992	
	DURAVENT® PLUG	5	5 - 13	11995	

	Description	Unit / pcs	Size	REF	
ELINGO PROL	DURAPUR® LINGO-PHON 1 ICF		7 - 12	23032	
Lingo Prior MRT	DURAPUR® IC		7 - 12	23801	
MRT MRT	DURAPUR® ICU		7 - 12	23811	
MRT MRT	DURAPUR® ICK		7 - 12	23881	
IK MRT	DURAPUR® ICFU		7 - 12	23816	
IK MRT	DURAPUR® ICF		7 - 12	23807	
IK MRT	DURAPUR® ICFK		7 - 12	23885	
EN E	DURAPUR® PHON ICF		7 - 12	23808	
K O ₂	DURAPUR® PHON ICF-O2		7 - 12	23809	

	Description	Unit / pcs	Size	REF	
	SENSOTRACH® Foam OVAL	10	oval	30790	
	SENSOTRACH® Foam PRO OVAL	10	oval	30791	
•	SENSOTRACH® Foam ROUND	10	round	30792	
Q	SENSOTRACH® Foam PRO ROUND	10	round	30793	

Cuffed tracheostomy tubes are used to seal the cannula against the tracheal wall. This is a requirement for artificial ventilation and/or to prevent accidental aspiration of secretions.

The soft cuff with very thin walls is typically designed as a high volume/low pressure cuff (hv/lp) and fits snugly into the trachea to ensure a reliable seal. The inflation line is integrated into the wall of the (outer) cannula thus providing a rounded and smooth outer shape to avoid friction and irritations of the delicate mucosa, particularly around the tracheostoma.

	Description	Unit / pcs	Size	REF	
BE STERILE	DURACUFF® VARIO	1	7 - 12	13000	
M STERILE	DURACUFF® VARIO M	1	7 - 12	13100	
XL XL CUFF BE STERILE	DURACUFF® VARIO XL	1	7 - 12	13200	
DE STERILE	DURACUFF® UNI-VARIO 1 ICU + 1 ICV	1	7 - 12	13002	
M COPP STERILE STERILE	DURACUFF® UNI-VARIO M 1 ICU + 1 ICV	1	7 - 12	13102	
XL XL	DURACUFF® UNI-VARIO XL 1 ICU + 1 ICV	1	7 - 12	13202	

	Description	Unit / pcs	Size	REF	
M	DURACUFF® UNI M 1 ICU-O ₂	1	7 - 12	13151	
CUFF Communication O2 BE STERILE	DURACUFF® CLIP				
	DURACUFF" CLIP	1		13299	
CUFF BE STERILE	SPIRAFLEX® UNI CUFF	1	6 - 11	17503	
BE MRT STERILE	SPIRAFLEX® MRT UNI CUFF	1	6 - 11	17520	
CUFF Too BE STERILE	SPIRAFLEX® SHORT UNI CUFF 2 ICX	1	6 - 11	17507	
XL STERILE	SPIRAFLEX® UNI CUFF XL	1	7 - 11	17519	
FLED STERILE	SPIRAFLEX® ICX	3	6 - 11	17543	
S STERILE	SPIRAFLEX® SHORT ICX	3	6 - 11	17516	
XL STERILE	SPIRAFLEX® ICX XL	3	7 - 11	17549	

	Description	Unit / pcs	Size	REF	
BE STERILE	TRACHEOTEC® VARIO CUFF	1	3 - 10	18920	
CUF BE STERILE	TRACHEOTEC® PRO VARIO CUFF	1	6 - 10	18922	
STERILE	TRACHEOTEC® PRO IC	3	6 - 10	18933	
BE STERILE	TRACHEOTEC® SILC VARIO CUFF	1	5 - 9	18850	
BE STERILE	TRACHEOSILC® VARIO CUFF	1	5 - 9,5	18830	
STERILE STERILE	DURATWIX® UNI CUFF	1	7 - 10	19601	
S S COPE BE STERILE	DURATWIX® UNI CUFF short	1	7 - 10	19602	

	Description	Unit / pcs	Size	REF	
E STERILE	DURATWIX® UNI-VARIO CUFF 1 ICU + 1 ICV	1	6 - 10	19611	
S STERILE	DURATWIX® UNI-VARIO CUFF short 1 ICU + 1 ICV	1	7 - 10	19612	
STERILE	DURATWIX® IC	3	7 - 10	19801	
STERILE	DURATWIX® IC short	3	7 - 10	19802	
STERILE	DURATWIX® ICU	3	6 - 10	19811	
STERILE	DURATWIX® ICU short	3	6 - 10	19812	
STERILE	DURATWIX® ICV	3	6 - 10	19821	
STERILE	DURATWIX® ICV short	3	6 - 10	19822	
STERILE	DURATWIX® ICK	3	7 - 10	19831	
S STERILE	DURATWIX® ICK short	3	7 - 10	19832	
STERILE STERILE	DURATWIX® ICU contrast	3	6 - 10	19803	

	Description	Unit / pcs	Size	REF	
STERILE	DURATWIX® SOLO-ADAPTER KOMBI	3	22 mm	19808	
STERILE	DURATWIX® SOLO-ADAPTER VARIO	3	15 mm	19807	
STERILE	DURATWIX® SOLO-ADAPTER UNI	3	15 mm	19806	
	MUCOPROTECT® Pressure gauge	1		19500	
	MUCOPROTECT® Connection tube for cuff pressure gauge	1		19506	
	SENSOTRACH® Foam OVAL	10	oval	30790	
	SENSOTRACH® Foam PRO OVAL	10	oval	30791	
•	SENSOTRACH® Foam ROUND	10	round	30792	
Q	SENSOTRACH® Foam PRO ROUND	10	round	30793	

These tracheostomy tubes combine the features of a cuffed tracheostomy tube with a sieve-fenestrated one: Cuffed tracheostomy tubes are used to seal the cannula against the tracheal wall. This is a requirement for artificial ventilation and/or to prevent accidental aspiration of secretions. The soft cuff with very thin walls is typically designed as a high volume/low pressure cuff (hv/lp) and fits snugly into the trachea to ensure a reliable seal. The inflation line is integrated into the wall of the (outer) cannula thus providing a rounded and smooth outer shape to avoid friction and irritations of the delicate mucosa, particularly around the tracheostoma. Sieve-fenestrated tracheostomy tubes have an opening in the upper (convex) wall of the tube shaft facing the larynx, the so-called sieve-fenestration.

While most conventional tracheostomy tubes have one or two simple holes the Fahl tracheostomy tubes have an elaborate sieve consisting of many small holes to reduce micro-aspiration and the ingrowth of granulation tissue. If an inner cannula is present, it has an oval opening corresponding to the sieve in the outer cannula. Sieve-fenestrated cannulas are used by tracheostomized patients with intact larynx who are able to speak, or by laryngectomized patients with voice prosthesis who still need a tracheostomy tube to stabilize the trachea and keep the tracheostoma open. In that case the sieve supports the speaking facility provided by the voice prosthesis.

Sieve-fenestrated tracheostomy tubes are usually used in combination with a speaking valve.

	Description	Unit / pcs	Size	REF	
BE STERILE	DURATWIX® UNI-VARIO LINGO-CUFF 1 ICV + 1 ICFU	1	6 - 10	19661	
S STERILE	DURATWIX® UNI-VARIO LINGO-CUFF short 1 ICV + 1 ICFU	1	7 - 10	19662	
INCO CIP IX	DURATWIX® UNI LINGO-CUFF 1 ICU + 1 ICFU	1	6 - 10	19621	

	Description	Unit / pcs	Size	REF	
STERILE	DURATWIX® IC	3	7 - 10	19801	
STERILE	DURATWIX® IC short	3	7 - 10	19802	
STERILE	DURATWIX® ICU	3	6 - 10	19811	
STERILE STERILE	DURATWIX® ICU short	3	6 - 10	19812	
STERILE	DURATWIX® ICV	3	6 - 10	19821	
STERILE	DURATWIX® ICV short	3	6 - 10	19822	
STERILE	DURATWIX® ICK	3	7 - 10	19831	
STERILE	DURATWIX® ICK short	3	7 - 10	19832	
STERILE	DURATWIX® ICU contrast	3	6 - 10	19803	
STERILE	DURATWIX® PHON ICF	2	7 - 10	19841	
S	DURATWIX® PHON ICF short	2	7 - 10	19842	
STERILE STERILE	DURATWIX® ICF	3	7 - 10	19851	
STERILE					

	Description	Unit / pcs	Size	REF	
S STERILE	DURATWIX® ICF short	3	7 - 10	19852	
STERILE	DURATWIX® ICFU	3	6 - 10	19861	
S STERILE	DURATWIX® ICFU short	3	6 - 10	19862	
STERILE STERILE	DURATWIX® ICFV	3	6 - 10	19871	
S IK STERILE	DURATWIX® ICFV short	3	6 - 10	19872	
STERILE STERILE	DURATWIX® ICFK	3	7 - 10	19881	
S STERILE	DURATWIX® ICFK short	3	7 - 10	19882	
STERILE	DURATWIX® SOLO-ADAPTER KOMBI	3	22 mm	19808	
STERILE	DURATWIX® SOLO-ADAPTER VARIO	3	15 mm	19807	
STERILE	DURATWIX® SOLO-ADAPTER UNI	3	15 mm	19806	

	Description	Unit / pcs	Size	REF	
STERILE	DURATWIX® PLUG	5	15 mm	19805	
S S S S S S S S S S S S S S S S S S S	SPIRAFLEX® SHORT UNI LINGO-PHON CUFF 1 ICX + 1 ICFX + Speaking Valve	1	6 - 11	17509	
S STERILE	SPIRAFLEX® SHORT ICX	3	6 - 11	17516	
S FEE IK STERILE	SPIRAFLEX® SHORT ICFX	3	6 - 11	17517	
BE STERILE	DURACUFF® UNI-VARIO LINGO 1 ICV + 1 ICFU	1	7 - 12	13022	
M BE STERILE	DURACUFF® UNI-VARIO LINGO M 1 ICV + 1 ICFU	1	7 - 12	13122	
XL XL STERILE	DURACUFF® UNI-VARIO LINGO XL 1 ICV + 1 ICFU	1	7 - 12	13222	

	Description	Unit / pcs	Size	REF	
BE STERILE	DURACUFF® VARIO-KOMBI LINGO 1 ICV + 1 ICFK	1	7 - 12	13072	
M IN IN IN IN IN IN IN IN IN I	DURACUFF® VARIO-KOMBI LINGO M 1 ICV + 1 ICFK	1	7 - 12	13172	
XL XL O O O O O O O O O O O O O	DURACUFF® VARIO-KOMBI LINGO XL 1 ICV + 1 ICFK	1	7 - 12	13272	
	DURACUFF® CLIP	1		13299	
	MUCOPROTECT® Pressure gauge	1		19500	
	MUCOPROTECT® Connection tube for cuff pressure gauge	1		19506	

	Description	Unit / pcs	Size	REF	
	SENSOTRACH® Foam OVAL	10	oval	30790	
	SENSOTRACH® Foam PRO OVAL	10	oval	30791	
Q	SENSOTRACH® Foam ROUND	10	round	30792	
Q	SENSOTRACH® Foam PRO ROUND	10	round	30793	

Tracheostomy tubes with suction line are cuffed tubes which offer the option of removing secretions which have accumulated above the inflated cuff. This is achieved by a fine tube which is integrated into the (outer) cannula to retain a rounded and smooth outer shape of the cannula to avoid friction and irritations of the delicate mucosa, particularly around the tracheostoma.

The suction line can be connected to any suction unit. It has an orifice right above the cuff to ensure that all secretions can be removed.

	Description	Unit / pcs	Size	REF	
DE STERILE	DURACUFF® VARIO SUCTION	1	7 - 12	13040	
M CUF BE STERILE	DURACUFF® VARIO SUCTION M	1	7 - 12	13140	
XL OUF RESERVE	DURACUFF® VARIO SUCTION XL	1	7 - 12	13240	
COF BE STERILE	TRACHEOTEC® VARIO CUFF-SUCTION	1	5 - 10	18930	
STERILE BE	DURACUFF® UNI-VARIO SUCTION 1 ICU + 1 ICV	1	7 - 12	13032	

	Description	Unit / pcs	Size	REF	
M STERILE BE	DURACUFF® UNI-VARIO SUCTION M 1 ICU + 1 ICV	1	7 - 12	13132	
XL XL STERILE EXERCISE EXERCISE	DURACUFF® UNI-VARIO SUCTION XL 1 ICU + 1 ICV	1	7 - 12	13232	
IN DE STERILE	DURACUFF® VARIO-KOMBI LINGO-PHON SUCTION 1 ICV + 1 ICFK + 1 COMBIPHON®	1	7 - 12	13042	
M M M M M M M M	DURACUFF® VARIO-KOMBI LINGO-PHON SUCTION M 1 ICV + 1 ICFK + 1 COMBIPHON®	1	7 - 12	13142	
XL XL XL XL XL Expression From From From From From From From From	DURACUFF® VARIO-KOMBI LINGO-PHON SUCTION XL 1 ICV + 1 ICFK + 1 COMBIPHON®	1	7 - 12	13242	
	DURACUFF® CLIP	1		13299	

	Description	Unit / pcs	Size	REF	
CUFF BE STERILE	TRACHEOSILC® VARIO CUFF-SUCTION	1	5 - 9,5	18840	
STERILE BE	TRACHEOTEC® PRO VARIO CUFF-SUCTION 2 IC	1	6 - 10	18932	
STERILE	TRACHEOTEC® PRO IC	3	6 - 10	18933	
	MUCOPROTECT® Pressure gauge	1		19500	
	MUCOPROTECT® Connection tube for cuff pressure gauge	1		19506	
	SENSOTRACH® Foam OVAL	10	oval	30790	
	SENSOTRACH® Foam PRO OVAL	10	oval	30791	
Q	SENSOTRACH® Foam ROUND	10	round	30792	
Q	SENSOTRACH® Foam PRO ROUND	10	round	30793	

The voice of a laryngectomized patient can be restored by placing a voice prosthesis during or after laryngectomy between the esophagus and the trachea. It restores two vital functions of the larynx: It facilitates a continuous air flow from the lungs via the lower trachea, through the voice prosthesis and the esophagus into the oral cavity. The exhaled air can be used for phonation. And it seals the trachea against the esophagus during eating and drinking. Thus no accidental aspiration of food can occur.

There are basically two types of voice prostheses: Indwelling prostheses which need to be exchanged by the physician and non-indwelling prostheses which may be exchanged by the patient himself. A voice prosthesis needs to be replaced for various reasons. E.g. after a certain time the valve may not close properly anymore due to Candida growth or other sediments which may lead to aspiration or an enhanced air flow resistance. For details on this kind of surgical voice rehabilitation a specialized physician should be consulted.

	Description	Unit / pcs	Size	REF *	
	Blom-Singer® CLASSIC Indwelling Voice Prosthesis	1	4 - 20 16 Fr. 4 - 20 20 Fr.	IN16XX -NS IN20XX -NS	
STERILE	Blom-Singer® CLASSIC Indwelling Voice Prosthesis STERIL	1	8 - 14 16 Fr. 8 - 14 20 Fr.	IN16XX -SO IN20XX -SO	
	Blom-Singer® ADVANTAGE Indwelling Voice Prosthesis Soft Valve Assembly	1	4 - 14 16 Fr.	AS16XX- NS	
	Blom-Singer® ADVANTAGE Indwelling Voice Prosthesis Hard Valve Assembly	1	4 - 14 20 Fr.	AD20XX- NS	
	Blom-Singer® DUAL VALVE Indwelling Voice Prosthesis	1	6 - 14 20 Fr.	DV20XX- NS	

^{*} xx = Size voice prosthesis (e.g. IN16XX-NS in size 04 = IN1604-NS)

Description	Unit / pcs	Size	REF*	
Blom-Singer® DUAL VALVE Indwelling LF (Large Flange) Voice Prosthesis	1	6 - 14 20 Fr.	DV20XX- LF	
Blom-Singer® CLASSIC Indwelling SL (Special Length) Voice Prosthesis	1	5 - 9 16 Fr. 5 - 9 20 Fr.	IN16XX- SL IN20XX- SL	
Blom-Singer® CLASSIC Indwelling LESL (Large Esophageal Flange/ Special Length) Voice Prosthesis	1	5 + 7 16 Fr. 5 + 7 20 Fr.	IN16XX- LESL IN20XX- LESL	
Blom-Singer® CLASSIC Indwelling LEF (Large Esophageal Flange) Voice Prosthesis	1	4 - 14 16 Fr. 4 - 14 20 Fr.	IN16XX -LEF IN20XX -LEF	
Blom-Singer® CLASSIC Indwelling LF (Esophageal + Tracheal Flange) Voice Prosthesis	1	4 - 14 16 Fr. 4 - 14 20 Fr.	IN16XX- LF IN20XX- LF	
Blom-Singer® CLASSIC Indwelling IR (Increased Resistance) Voice Prosthesis	1	6 - 12 16 Fr. 6 - 12 20 Fr.	IN16XX- IR IN20XX- IR	
Blom-Singer® CLASSIC Indwelling LEIR (Large Esophageal Flange / Increased Resistance) Voice Prosthesis	1	4 - 8 16 Fr. 4 - 8 20 Fr.	IN16XX -LEIR IN20XX -LEIR	

^{*} xx = Size voice prosthesis (e.g. IN16XX-NS in size 04 = IN1604-NS)

	Description	Unit / pcs	Size	REF *	
	Blom-Singer® CLASSIC Indwelling LETO (Large Esophageal	1	4 - 14 16 Fr.	IN16XX- LETO	
	Flange/ TEP Occluder) Voice Prosthesis		4 - 14 20 Fr.	IN20XX- LETO	
	Blom-Singer® DUCKBILL 16 Fr.	1	6	DB16-006	
	Voice Prosthesis		8	DB16-008	
	patient-changeable		10	BE6000	
			12	DB16-012	
			14	BE6001	
			18	BE6002	
	Blom-Singer® LOW PRESSURE 16 Fr.	1	6	BE6009	
	Voice Prosthesis		8	LP16-008	
	patient-changeable		10	BE6010	
入			12	LP16-012	
			14	BE6011	
			18	BE6012	
			22	BE6013	
			25	BE6014	
			28	BE6015	
	Blom-Singer® LOW PRESSURE 20 Fr.	1	6	BE2014	
	Voice Prosthesis		8	LP20-008	
	patient-changeable		10	BE2018	
			12	LP20-012	
			14	BE2022	
			18	BE2026	
			22	BE2030	
	IN1644-NS in size 04 - IN1604		25	BE2033	

^{*} xx = Size voice prosthesis (e.g. IN16XX-NS in size 04 = IN1604-NS)

	Description	Unit / pcs	Size	REF	
	Blom-Singer [®] Indwelling Plug Insert	1	16 Fr.	IN4069	
	for CLASSIC Indwelling voice prostheses 4 - 25 mm		20 Fr.	IN4070	
	Blom-Singer® Tracheoesophageal Puncture Dilator	1	18 Fr.	BE6050	
	for 16 + 20 Fr. voice prostheses		22 Fr.	BE2050	
9	Blom-Singer [®] Dilator-Sizer	1	18 Fr.	BE2051	
PHOTOGODINE .	for 16 + 20 Fr. voice prostheses		22 Fr.	BE2052	
	Blom-Singer® Replacement Gel Caps	90	16 Fr.	BE3190	
to pact	.,	90	20 Fr.	BE3290	
AT .		60	22 Fr.	BE3295	
	LARYVOX® DUO BRUSH incl. Clip	6	6 - 18	29110	
	LARYVOX® Stoma Light	1		69101	
	LARYVOX® PLUG	1		25800	
	for all common voice prostheses 20, 22 + 22.5 Fr.				

Description	Unit / pcs	Size	REF	
LARYVOX® INSERTER for different voice prostheses	1		25900	
LARYVOX® INSERTER EXPERT for 16 Fr. / DUAL VALVE indwelling voice prostheses (20 Fr).	1		25910	
LARYVOX® INSERTER EXPERT SMALL for voice prostheses of 4 mm length	1		25915	
LARYVOX® INSERTER SPECIAL application with the gel capsule technique	1		25920	

Speaking valves facilitate speaking for tracheotomized patients with a partly or fully intact larynx. They allow the patients to speak without finger occlusion of the tracheostoma. They open during inhalation and close during exhalation thereby guiding the exhaled air through the larynx, the vocal cords and the mouth cavity. Thus the patient is able to speak. They also provide enhanced hygiene since finger occlusion is no longer necessary.

• Speaking valves with 15 mm standard connector

The plastic housing is equipped on the patient side with a central opening with a 15 mm internal diameter, thereby allowing connection to a 15 mm standard connector.

- Speaking valves with 22 mm connector
 - In addition, there is also the variant of a 22 mm connector, which is compatible with all commonly used 22 mm receptacle systems.
- Speaking valves fitted with a multi-adapter combine both variants (15 and 22 mm).
- Low resistance speaking valves are fitted with a laterally suspended valve membrane.

 At rest, the valve membrane is slightly opened. Only slight blowing pressure is necessary to close the speaking valve.
- The **HUMIDOPHONE®** speaking valve features an additional filter medium which serves the thermal and humidity exchange of the breathing air and its filtration.

	Description	Unit / pcs	Size	REF	
STERILE	COMBIPHON®	1	15 mm 22 mm	27131	
O ₂ STERILE	COMBIPHON® O ₂	1	15 mm 22 mm	27132	
	COMBIPHON® Low Resistance	1	15 mm 22 mm	27133	
O ₂	COMBIPHON® O ₂ Low Resistance	1	15 mm 22 mm	27134	
	COMBIPHON® SLIM	1	15 mm	27108	

	Description	Unit / pcs	Size	REF	
O ₂	COMBIPHON® SLIM O ₂	1	15 mm	27109	
	HUMIDOPHONE®	30	22 mm	46480	
	HUMIDOPHONE® PLUS	30	15 mm 22 mm	46487	
O ₂	HUMIDOPHONE® PLUS O ₂	30	15 mm 22 mm	46489	

These tracheostoma valves facilitate speaking for laryngectomized patients with a voice prosthesis. They allow the patients to speak without finger occlusion of the tracheostoma. They open during inhalation and close during exhalation thereby guiding the exhaled air through the voice prosthesis, the esophagus and the mouth cavity. Thus even a laryngecotmized patient is again able to speak. They also provide enhanced hygiene since finger occlusion is no longer necessary.

Tracheostoma valves come with 22mm adapters for attachment to stoma buttons and base plates.

Description	Unit / pcs	Size	REF	
LARYVOX® Hands-Free Valve Low Resistance	1	22 mm	21984	
LARYVOX® Hands-Free Valve Kombi HME Low Resistance	1	22 mm	21982	
LARYVOX® Hands-Free Valve Kombi HME Normal Resistance	1	22 mm	21983	
LARYVOX® Hands-Free Valve TrachiNaze® Normal Resistance	1	22 mm	21981	
LARYVOX® Hands-Free Valve TrachiNaze® Low Resistance	1	22 mm	21980	
LARYVOX® Hands-Free Set 1x LARYVOX® Hands-Free Valve Kombi HME Low Resistance 6x LARYVOX® DUO BRUSH - 10 5x LARYVOX® HME 5x LARYVOX® Tape COMFORT 5x OPTIGARD® 5x OPTICLEAR®	1	22 mm	21986	

HME FILTER CASSETTES / BASE PLATES

The HME (Heat-Moisture-Exchanger) filter cassettes condition the air, protect the lower airways, improve the quality of speech and are simple to use. A tracheostomy results in a loss of mouth/nose breathing, this means that the filtering, warming and humidification of the air has to happen in a different way. To prevent irritation of the airways, due to dry air, dust or harmful substances contained in the air, a filter is required. After surgery, tracheostomised/laryngectomised patients frequently suffer from increased production of mucous and coughing. These symptoms can impair speech rehabilitation and breathing. The regular use of HME filter cassettes with Heat and Moisture Exchangers alleviates the symptoms and increases the quality of life.

Comfortable tracheostoma closure

The housing of the HME filter cassettes facilitates speaking for laryngectomised patients with a voice prosthesis. The tracheostoma is closed for speaking with the simple touch of a finger, even through clothing. As soon as the finger is removed, the air can pass though the HME to facilitate unimpaired inhalation and exhalation.

Inconspicuous

Thanks to their low profile the HME filter cassettes are very inconspicuous. They are either connected to tracheostomy tubes or to stoma buttons or to special base plates. The user must take care to select the right connector/adapter. Most tracheostomy tubes have a 15mm connector, stoma buttons and base plates have a 22mm adapter. Fahl HMEs are available with either 15mm connectors or 22mm adapters or the unique combi-adapter which facilitates the connection to both types.

Base Plates

are used by laryngectomized patients. They are self-adhesive carrier systems for HMEs or tracheostoma valves (speaking valves for laryngectomized patients). We offer many types of base plates with various shapes and sizes, made of different materials and with different adhesive strengths. They are selected according to the anatomy of the tracheostoma and the type of skin in order to achieve a long wearing period with an optimal attachment.

An HME or tracheostoma valve may be fitted in the central opening with its 22mm adapter. They can be changed separately from the base plate.

	Description	Unit / pcs	Size	REF	
	LARYVOX® HME	30	22 mm	49800	
	LARYVOX® HME HighFlow	30	22 mm	49810	
O ₂	LARYVOX® O ₂ HME	30	15 mm 22 mm	49802	

Description	Unit / pcs	Size	REF	
LARYVOX® EXTRA HME	30	22 mm	49860	
LARYVOX® EXTRA HME HighFlow	30	22 mm	49861	
LARYVOX® EXTRA HME Medium	30	22 mm	49862	
LARYVOX® EXTRA HME Sport	30	22 mm	49863	
LARYVOX® STYLE HME HighFlow SET 30x LARYVOX® STYLE HME HighFlow 9x LARYVOX® STYLE TOP lamella (3x gold / 3x silver / 3x blue metallic) 9x LARYVOX® STYLE CAP round (3x gold / 3x silver / 3x blue metallic)	1	22 mm	49880-90	

Description	Unit / pcs	Size	REF	
LARYVOX® STYLE HME SET 30x LARYVOX® STYLE HME 9x LARYVOX® STYLE TOP lamella (3x gold / 3x silver / 3x blue metallic) 9x LARYVOX® STYLE CAP round (3x gold / 3x silver / 3x blue metallic)	1	22 mm	49881-90	
LARYVOX® STYLE HME HighFlow suitable for use with other LARYVOX® STYLE products	30	22 mm	49880	
LARYVOX® STYLE HME suitable for use with other LARYVOX® STYLE products	30	22 mm	49881	
LARYVOX® STYLE TOP lamella - Set 3x gold 3x silver 3x blue metallic	9		49830-90	
LARYVOX® STYLE TOP lamella - blue metallic	3		49830-01	
LARYVOX® STYLE TOP lamella - gold	3		49830-02	
LARYVOX® STYLE TOP lamella - silver	3		49830-03	
LARYVOX® STYLE TOP lamella - beige	3		49830-04	

	Description	Unit / pcs	Size	REF	
O O	LARYVOX® STYLE CAP round - Set 3x gold 3x silver 3x blue metallic	9		49820-90	
	LARYVOX® STYLE CAP round - blue metallic	3		49820-01	
	LARYVOX® STYLE CAP round - gold	3		49820-02	
	LARYVOX® STYLE CAP round - silver	3		49820-03	
	LARYVOX® STYLE CAP round - beige	3		49820-04	
	LARYVOX® TOUCH HME HighFlow - blue metallic	30	22 mm	49850-01	
	LARYVOX® TOUCH HME HighFlow - gold	30	22 mm	49850-02	
	LARYVOX® TOUCH HME HighFlow - silver	30	22 mm	49850-03	
	LARYVOX® TOUCH HME HighFlow - beige	30	22 mm	49850-04	

Description	Unit / pcs	Size	REF	
LARYVOX® TOUCH HME HighFlow - clear	30	22 mm	49850-13	
LARYVOX® TOUCH HME HighFlow Set 5x blue metallic 5x gold 5x silver 5x beige 5x clear	25		48830	
LARYVOX® PRO HME HighFlow	30	22 mm	49840	
LARYVOX® PRO HME	30	22 mm	49841	
LARYVOX® TAPE CONVEX	10	oval	48500	
LARYVOX® TAPE STANDARD	15	round	48100	
LARYVOX® TAPE STANDARD	15	oval	48200	
LARYVOX® TAPE STANDARD	15	XL oval	48300	
LARYVOX® TAPE FLEXIBLE	15	round	48120	

Description	Unit / pcs	Size	REF	
LARYVOX® TAPE FLEXIBLE	15	oval	48220	
LARYVOX® TAPE FLEXIBLE	15	XL oval	48320	
LARYVOX® TAPE HYDROSOFT	15	round	48130	
LARYVOX® TAPE HYDROSOFT	15	oval	48230	
LARYVOX® TAPE HYDROSOFT	15	XL oval	48330	
LARYVOX® TAPE COMFORT	15	round	48140	
LARYVOX® TAPE COMFORT	15	oval	48240	
LARYVOX® TAPE COMFORT	15	XL oval	48340	
LARYVOX® TAPE HYPOALLERGEN	15	round	48050	
LARYVOX® TAPE HYPOALLERGEN	15	oval	48150	

Description	Unit / pcs	Size	REF	
LARYVOX® TAPE HYPOALLERGEN	15	XL oval	48250	
LARYVOX® TAPE EXTRA FINE	15	recht- eckig	48400	
Cap for use after decanulation. Not suitable for laryngectomized patients.	3	22 mm	48910	
LARYVOX® Connect	1	22 > 15 mm	48915	
LARYVOX® Adapt	3	15 > 22 mm	48920	
FAHL® Silicone Glue	1		29810	
FAHL® Decannulation-Set 15x LARYVOX® TAPE EXTRA FINE 1x LARYVOX® Seal 1x COMBIPHON® O2 Not suitable for laryngectomized patients.	1	15 mm 22 mm	48005	

	Description	Unit / pcs	Size	REF	
	LARYVOX® TOUCH HME HighFlow Starter Set 5x 3 LARYVOX® TAPE oval / rectangular 15x OPTICLEAR® 15x OPTIGARD® 15x LARYVOX® TOUCH HME HighFlow - clear 15x LARYVOX® TOUCH HME HighFlow - beige 1x LARYVOX® SECUTRACH®	1	22	48820	
	LARYVOX® EXTRA HME HighFlow Starter Set 5x 3 LARYVOX® TAPE oval / rectangular 15x OPTICLEAR® 15x OPTIGARD® 15x LARYVOX® EXTRA HME HighFlow 1x LARYVOX® SECUTRACH®			48840	
East our by you	LARYVOX® Best Care For You 1x ON THE WAY BOX 1x TAPES-BOX 1x SHOWER-BOX 1x NIGHT-BOX 1x CLEANING-BOX	1		49895	
0	LARYVOX® Foam S	10		48420	
	LARYVOX® Foam M	10		48430	
	LARYVOX® Foam L	10		48440	

	Description	Unit / pcs	Size	REF
O ₂	HUMIDOTRACH®	30	15 mm	46450
	HUMIDOTWIN®	30	15 mm 22 mm	46460
PED	HUMIDOSTOM® Junior	30	15 mm	46850
STERILE	HUMIDOFIX®	30	15 mm	46440
O ₂ STERILE	HUMIDUAL®	30	15 mm	46470
02	HUMIDOSTOM® O ₂	30	15 mm	46150

Tracheal Compresses (Dressings) are basically used for two reasons. They cushion the neck flange of a tracheostomy tube against the skin to avoid leasons, pain and pressure necroses. They further absorb tracheal secretions. Tracheal compresses are available in numerous types, differing in material, number of layers, size, shape and colour. Aluminium coated compresses and foam compresses reduce the adhesion of the compress to dried secretions or clotted blood and thus facilitate an atraumatic replacement.

Compresses with a slit facilitate the replacement without the need to use a pair of scissors to cut them open or to remove the tracheostomy tube. For immediate post-operative use and open wounds a sterile compress should be used.

	Description	Unit / pcs	Size	REF	
	SENSOTRACH® ALU	10	8 x 10 cm	30000	
	SENSOTRACH® ALU SLIT	10	8 x 10 cm	30030	
	SENSOTRACH® ALU SLIT	10	8 x 9 cm	30036	
	SENSOTRACH® UNO	10	9 x 9,8 cm	30520	
	SENSOTRACH® UNO SLIT	10	9 x 9,8 cm	30521	
PED	SENSOTRACH® UNO PED	10	6 x 7 cm	30522	
PED	SENSOTRACH® UNO PED SLIT	10	6 x 7 cm	30523	
PED	SENSOTRACH® UNO PED ALU SLIT	10	6 x 7 cm	30524	

	Description	Unit / pcs	Size	REF	
	SENSOTRACH® DUO	10	9 x 9,8 cm	30608	
	SENSOTRACH® DUO SLIT	10	9 x 9,8 cm	30609	
PED	SENSOTRACH® DUO PED	10	6 x 7 cm	30622	
PED PED	SENSOTRACH® DUO PED SLIT	10	6 x 7 cm	30623	
	SENSOTRACH® DUO ALU	10	9 x 9,8 cm	30662	
	SENSOTRACH® DUO ALU SLIT	10	9 x 9,8 cm	30663	
	SENSOTRACH® DUO SKIN	10	9 x 9,8 cm	30668	
	SENSOTRACH® DUO SKIN SLIT	10	9 x 9,8 cm	30669	
	SENSOTRACH® 3-Plus	10	9 x 9,8 cm	30770	
	SENSOTRACH® 3-Plus SLIT	10	9 x 9,8 cm	30780	

	Description	Unit / pcs	Size	REF	
STERILE	SENSOFOAM® - sterile	10	10,0 x 9,0 x 0,5 cm	30860	
STERILE	SENSOFOAM® - sterile, small	10	6,5 x 6,5 x 0,5 cm	30861	
STERILE	SENSOFOAM® PAD - sterile	10	7,8 x 3,8 cm	30862	
STERILE	SENSOFOAM® PAD Professional - sterile	10	7,8 x 3,8 cm	30864	

CLEANING AND CARE OF CANNULAS

For reasons of hygiene and to avoid the risk of infection, the tracheostomy tubes should be cleaned thoroughly at least twice a day. And appropriately more often during heavier secretion production. Our range of aids offers a variety of products for gentle and hygienic cleaning, disinfection and preparation of tracheostomy tubes.

Great care should be taken in the handling of tracheostomy tubes, especially when cleaning with a cannulacleaning brush. Should sharp edges or even cracks ever appear on a tracheostomy tube, on no account continue to use it, as this could lead to injury of the mucous membranes in the trachea. Constant checking avoids danger!

	Description	Unit / pcs	Size	REF	
	OPTIBRUSH® SET	1		31011	
	OPTIBRUSH® CLEAN	1	100 g	31110	
	OPTIBRUSH® CONT	1		31200	
	OPTICIT®	1	250 ml	31180	
	OPTIFLUID® Stoma oil	1	25 ml	31525	
	OPTIFLUID® Stoma oil towel	30		31550	
THE STATE OF THE S	OPTIBRUSH®	4	4 - 14	31850	
	OPTIBRUSH® PLUS	4	5 - 14	31855	

Description	Unit / pcs	Size	REF	
OPTIBRUSH® Basic	4	6 - 14	31800	
OPTIBRUSH® Swab	30	small	31910	
OPTIBRUSH® Swab XL	30	large	31920	
OPTIFAHL® Stoma cleaning wipes	30	140 x 200 mm	33200	
OPTIFAHL® Stoma cleaning wipes	30	135 x 200 mm	33210	
OPTIFAHL® Stoma cleaning wipes box	60		33260	
OPTICLEAR® Adhesive remover	30		33500	
OPTIGARD® Protective dressing wipes	30		33600	
LARYVOX® Distance holder	1		34000	

	Description	Unit / pcs	Size	REF	
	LARYVOX® Tracheospreizer	1		35500	
PED	LARYVOX® Tracheospreizer PED	1		35501	
	LARYVOX® Tweezers	1		35000	
No. of the last of	LARYVOX® SPECULUM	1		35100	
	FAHL® Gauze Dressings 8-fold	100	10 x 10 cm	30200	
	FAHL® Non-Woven Compress / 4-fold	100	10 x 10 cm	30300	

TUBE HOLDERS AIRWAY MANAGEMENT

We offer an extensive range of tracheostomy tube accessories. A tube holder is indispensable for securely fixing the tube in the tracheostoma. Tube holders are available in a large selection and should be matched to the tracheostomy tube. We provide tube holders, in differing material qualities and fastening techniques.

H - with plastic hook HM - with metal hook

K - with hook-and-loop fastener

	Description	Unit / pcs	Size	REF	
A	KACLIP® HM beige	1	30 - 50 cm	32000	
	KACLIP® H beige	1	30 - 50 cm	32005	
	KACLIP® H white	1	30 - 50 cm	32005-02	
	KACLIP® Clear H transparent	1	29 - 52 cm	32015	
PED	SUPRAFIX® 11 H PED	1	15 - 26 cm	32308	
PED	SUPRAFIX® 11 K PED	1	18 - 25 cm	32509	
PED	SUPRAFIX® 13 H PED	1	17 - 28 cm	32310	
PED	SUPRAFIX® 13 K PED	1	20 - 27 cm	32510	
PED	SUPRAFIX® 15 H PED	1	19 - 30 cm	32311	

	Description	Unit / pcs	Size	REF	
PED	SUPRAFIX® 15 K PED	1	22 - 29 cm	32512	
	SUPRAFIX® 18 H	1	22 - 41 cm	32301	
	SUPRAFIX® 18 K	1	25 - 40 cm	32502	
	SUPRAFIX® 25 H	1	35 - 42 cm	32300	
	SUPRAFIX® 25 K	1	32 - 48 cm	32500	
	SUPRAFIX® 30 H	1	34 - 54 cm	32305	
	SUPRAFIX® 30 K	1	37 - 53 cm	32501	
	SUPRAFIX® 36 H	1	40 - 58 cm	32303	
	SUPRAFIX® 36 K	1	43 - 57 cm	32503	
	OPTIFLAUSCH® K	1	24 - 45 cm	32550	

	Description	Unit / pcs	Size	REF	
	OPTIFLAUSCH® K beige	1	24 - 45 cm	32553	
The state of the s	OPTIFLAUSCH® H	1	24 - 47 cm	32551	
PED	OPTIFLAUSCH® K PED	1	16 - 25 cm	32555	
PED	OPTIFLAUSCH® K Junior PED	1	16 - 25 cm	32556	
PED	OPTIFLAUSCH® Slim K	1	24 - 42 cm	32552	
PED	OPTIFLAUSCH® Slim K PED	1	16 - 30 cm	32557	
PED	OPTIFLAUSCH® Slim K Junior PED	1	16 - 30 cm	32558	
	NECKFIX® K	1	45 cm	32620	
	NECKFIX® Blue K	1	45 cm	32610	
PED	NECKFIX® Blue PED K	1	34 cm	32612	

	Description	Unit / pcs	Size	REF	
PED	NECKFIX® Beige K PED	1	34 cm	32621	
	NECKFIX® Beige K	1	46 cm	32622	
	NECKFIX® Beige K XL	1	50 cm	32623	
	NECKFIX® Duo K	1	40 - 53 cm	32630	
	NECKFIX® Duo K beige	1	40 - 53 cm	32631	
	NECKFIX® DUO K Plus	50	16 - 45 cm	32629	
	NECKFIX® ENDO Endotracheal tube fixation	10	85 cm	32615	

The tracheostoma reacts particularly sensitive to all outside influence. Since after a tracheostomy or a laryngectomy breathing occurs no longer through the mouth and the nose but through the tracheostoma some of the body's natural protective measures are lost. It is therefore important to attach specific care to the protection of the tracheostoma.

This refers particularly to the humidification, warming and filtering of the inhaled air. The lack of these protective mechanisms may have an adverse effect on the health. For example, a chilled trachea often results in damaging the delicate mucous membranes. These, in turn, perform such important tasks as the transportation of fluids and the movement of foreign bodies out of the upper and lower airways were they normally can be coughed up. The dissication of the tracheal mucosa will cause irritations and increased secretion, partially with the formation of encrustations.

Our products for trachestoma protection replace the necessary protective mechanisms. On the one hand they protect the tracheostoma and trachea from the cold and from drying out – on the other hand they prevent the ingress of dirt particles and absorb leaking secretions.

Without tracheostoma protection the inhaled air would enter through the tracheostoma too cold and too fast. Specific protection items provide a barrier, reducing the speed or the airflow, warming and humidifying the air. At the same time tracheostoma protection products provide visual protection and with it, a certain degree of security.

Our tracheostoma protection products combine aesthetics with comfort. The neckerchiefs and scarves, for example, are offered in fashionable, attractive design patterns.

Please refer to our colour sample card for the full range. You can find the current version at www.fahl.de.

3L - 3 layers 5L - 5 layers 8L - 8 layers 12L - 12 layers

16L - 16 layers

Description	Unit / pcs	Size	REF	
TRACHEOTEX® BIB 3L	1	34 - 46 cm	40100	
TRACHEOTEX® BIB 5L	1	34 - 46 cm	40200	
TRACHEOTEX® BIB 8L	1	34 - 46 cm	40300	
TRACHEOTEX® BIB 12L	1	34 - 46 cm	40400	

	Description	Unit / pcs	Size	REF	
	TRACHEOTEX® BIB 16L	2	34 - 46 cm	41600-D	
PED	TRACHEOTEX® BIB 3L PED	1	24 - 33 cm	40110	
PED	TRACHEOTEX® BIB 5L PED	1	24 - 33 cm	40210	
PED	TRACHEOTEX® Scarf PED	1	22 – 29 cm	42010	
	BUCHANAN BIB L	10	max. 95 cm 21 x 19 cm	41700	
	BUCHANAN BIB S	10	max. 65 cm 15 x 12 cm	41800	
	TRACHEOTEX® Scarf	1	41 - 47 cm	42000	
	TRACHEOTEX® EASY	1	max. 55 cm	42002	
	TRACHEOTEX® Shirt	1	min. 20 cm	43301	

Description	Unit / pcs	Size	REF	
TRACHEOTEX® ROLLI ZIP	1	min. 18 cm	43302-1	
TRACHEOTEX® ROLLI ZIP FINE	1	min. 18 cm	43302-0	
TRACHEOTEX® ROLLI KLETT	1	26 - 42 cm	43000-1	
TRACHEOTEX® ROLLI KLETT FINE	1	26 - 42 cm	43000-0	
LARYNGOFIX® S beige	10	4 x 5,5 cm	45900	
LARYNGOFIX® L beige	10	4,8 x 6,7 cm	45950	
LARYNGOFIX® S white	10	4 x 5,5 cm	45905	
LARYNGOFIX® L white	10	4,8 x 6,7 cm	45955	
LARYNGOFIX® PLUS S beige	10	4 x 5,5 cm	45902	
LARYNGOFIX® PLUS L beige	10	4,8 x 6,7 cm	45952	

	Description	Unit / pcs	Size	REF	
	LARYNGOFIX® PRO S	10	4,0 x 5,5 cm 5 mm	45901	
86	LARYNGOFIX® PRO L	10	4,8 x 6,7 cm 5 mm	45956	
	TRACHEOSTOMA-FIX® S beige	10	6 x 6,5 cm	45000	
	TRACHEOSTOMA-FIX® L beige	10	7 x 7,5 cm	45100	
	TRACHEOFIX® S white	10	5,5 x 6 cm	45200	
	TRACHEOFIX® L white	10	7 x 7 cm	45300	
	TRACHEOFIX® S beige	10	5,5 x 6 cm	45400	
	TRACHEOFIX® L beige	10	7 x 7 cm	45500	
	TRACHEOFIX® PLUS S beige	10	5,5 x 6 cm	45505	
	TRACHEOFIX® PLUS L beige	10	7 x 7 cm	45510	

	Description	Unit / pcs	Size	REF	
	LARYNGOFIX® TOUCH L	10	4,8 x 6,7 cm	45911	
	LARYTAPE® S	10	4 x 5,5 cm	45960	
	LARYTAPE® L	10	4,8 x 6,7 cm	45962	
00	LARYTAPE® TOUCH S	10	4 x 5,5 cm	45970	
00	LARYTAPE® TOUCH L	10	4,8 x 6,7 cm	45972	
	LARYTAPE® XL	10	6,0 x 8,5 cm	45963	
	LARYTAPE® TOUCH XL	10	6,0 x 8,5 cm	45973	
	LARYVOX® SECUTRACH® Shower guard	1	15 mm 22 mm	47400	
	SECUTRACH® Shower guard	1		47000	

Following laryngectomy or tracheotomy, the patient breathes via a tracheostoma (surgical opening of the trachea). When breathing through the nose, the inhaled air is kept moist in a natural manner. After the loss of continuous physiological humidification of the mucous membranes a different method is required in order to prevent severe irritation of the tissue.

In most cases this type of irritation leads to increased secretion, coughing and encrustation. To avoid these consequences, it is essential for the patient to inhale regularly and ensure that his environment are kept at a constant air humidity of approx. 55-60 %.

Description	Unit / pcs	Size	REF	
NEBUFIRST®	1		50000	
NEBUSTEAM®	1		50500	
NEBUPORT®	1		50100	
LARYVOX® Nebulizer	1		58000	
NEBUJUNIOR® Bear	1		50300	
NEBUJUNIOR® Penguin	1		50400	

	Description	Unit / pcs	Size	REF	
STERILE	HUMIDOBAC® / HME	50		46830	
	HUMIDOBAC®	50		46831	
	FAHL® Catheter mount XL	1	40 cm	19100	
	FAHL® Catheter mount	1	15 cm	19110	
	FAHL® Nebulizer Set	1		51202	
	FAHL® Oxytube	1		75275	

Tracheal suction devices are important aids for providing care after laryngectomy or tracheotomy. After surgery, patients generally experience increased secretion. This places a great strain on the respiratory system, leading to irritation and coughing. A tracheal suction device is an important aid, helping to remove secretions from the respiratory tract.

The tracheal suction device is also a great help in other situations. In such cases, endotracheal suctioning with the tracheal suction device alleviates breathing, as deep-seated bronchial secretion can be removed professionally. Suction takes place through sterile tracheostoma catheters, which are available in various sizes and types.

	Description	Unit / pcs	Size	REF	
PALL	TRACHEOPORT® COMPACT Battery	1	24	63600	
PALL	TRACHEOFIRST® COMPACT	1	24	67600	
	TRACHEOPORT® JUNIOR	1	24	63800	
STERILE	Stoma catheter Metric L	30	50 cm CH 6 - 18	68000	
STERILE	Tracheostoma catheter Metric S	30	25 cm CH 10 - 16	68100	
STERILE	TRACHFLOW® Metric S	30	25 cm CH 8 - 16	68630	

	Description	Unit / pcs	Size	REF	
STERILE	TRACHFLOW® Metric L	30	50 cm CH 8 - 16	68730	
STERILE	TRACHFLOW® SHUNT	50	10 cm CH 8, 10	68800	
STERILE	RESPITRACH® Permanent suction catheter	8	10 - 16	68400	
STERILE	TRACHFLOW® Finger-Tip	10		60700	
	TRACHFLOW® Stepconnector	1		62000-3	
	TRACHFLOW® Line Pro	1	1,30 m	60506	
	TRACHFLOW® Silicone suction tube S	1	28 cm	60510	
	TRACHFLOW® Line Connect	1	30 cm	60517	

After successful laryngectomy, it is most important for the patient to be able to speak as quickly as possible again and to be well understood. That is why we recommend speech therapy by a certified speech therapist.

The speech therapist will usually start speech rehabilitation with the esophageal voice. Parallel to this, speaking with an electronic speech aid can also be a part of the voice rehabilitation. The electronic speech aid generates sound oscillations, these are transmitted to the mouth/pharynx area when the device is slightly pressed to the neck, and can thereby transform the normal speech motions into comprehensible speech.

The VOICETEC® voice amplifier enables excellent amplification of a quiet oesophageal voice and is also well suited for patients/users with vocal chord damage. It can be used whenever a louder conversation volume is desired, to, e.g., be understood even with high levels of background noise. With the help of the VOICETEC® voice amplifier, it is possible, even without strenuous attempts, to speak loudly. The wireless, radio-controlled transmitter unit enables the greatest of mobility. This extends the patient's comfort and field of application.

Description	Unit / pcs	Size	REF	
VOICETEC®	1		77350	
ElectroLarynx Speech Aid	1		EL1000	

Patients with a tracheostomy unit are generally more prone to emergency situations. On the one hand, the limited or lacking option of speaking can possibly impede effectively calling for help. On the other hand, modified respiration via the tracheostoma cannot be recognised immediately by paramedics or be assigned to appropriate measures.

In order to provide those affected with the greatest possible security in emergencies and the fastest possible emergency care (e.g. air supply), we offer special aids which could prove life-saving in individual cases.

	Description	Unit / pcs	Size	REF	
E HALLO LOC CAN OFFI MAN AND AND AND AND AND AND AND AND AND A	LARYVOX® SOS safe-mask	1		75000	
DESCRIPTION AND ADDRESS OF THE PROPERTY OF THE	LARYVOX® SOS mask	1		75010	
	LARYVOX® Smell	1	22 mm	75130	
	LARYVOX® EMERGENCY- SET Laryngectomy 1x LARYVOX® SOS safe-mask 1x LARYVOX® Tweezers 1x LARYVOX® Connect 5x LARYVOX® O2 Connect 5x LARYVOX® O2 HME 5x LARYVOX® TAPE COMFORT / XL oval 1x Oxygen connecting tube	1	15 mm 22 mm	48006	
	LARYVOX® EMERGENCY- SET Laryngectomy PRO 1x LARYVOX® SOS safe-mask 1x TRACHEOTEC® VARIO CUFF, Size 7 1x Single-use syringe / 10ml 1x LARYVOX® Tracheospreizer 1x LARYVOX® Connect 5x LARYVOX® O ₂ Connect 5x LARYVOX® TAPE COMFORT / XL oval 3x OPTIFLUID® Stoma oil towel 1x Oxygen connecting tube	1	15 mm 22 mm	48007	

Description	Unit / pcs	Size	REF	
LARYVOX® EMERGENCY- SET Tracheostomy 1x LARYVOX® Tracheospreizer 1x HUMIDOTRACH® 1x Oxygen connecting tube 1x OPTIFLAUSCH® K 1x 2-KAM® SLIT, sterile 3x OPTIFLUID® Stoma oil towel 3x OPTIFAHL® Stoma cleaning wipes 1x LARYVOX® SOS safe-mask 1x Single-use syringe / 10ml	1	15 mm	48008	
FAHL® KONIOTOMIE-SET	1		75001	
LARYVOX® Alarm	1		76000	

The LARCHEL® water therapy device is a proven product, which enables laryngectomised patients to take part in exercise therapy in water and therapeutic swimming. In detail, LARCHEL® offers the following areas of use: underwater massage, aquatic therapy, showering, full bath, smelling and swimming.

The LARCHEL® consists of a flexible corrugated tube, which is firmly combined with a special, blockable tracheostomy tube at one end. A mouthpiece with bite block is located at the other end. This mouthpiece is placed in the user's mouth and firmly surrounded by the lips.

The LARCHEL® is available in different sizes (tracheostomy tube inner diameter). The exact cannula diameter must be selected in order to achieve a good seal during inflation of the tracheostomy tube. The treating physician and an authorised specialist, the aquatic therapy officer of the Association of Laryngectomees, should be consulted as a part of the introduction!

A snorkel is available as addition to the LARCHEL® water therapy device. This is particularly suited for users who experience problems when breathing through their nose.

Description	Unit / pcs	Size	REF	
LARCHEL® water therapy device	1	5 - 9,5	79160	
Snorkel for LARCHEL®	1		79161	

Blom-Singer® Voice Prosthesis Placement Surgical Kit

The Blom-Singer® Surgical Kit is a complete surgery set for single use and serves the intraoperative primary or secondary puncture for placing a Blom-Singer® Classic™ indwelling voice prosthesis.

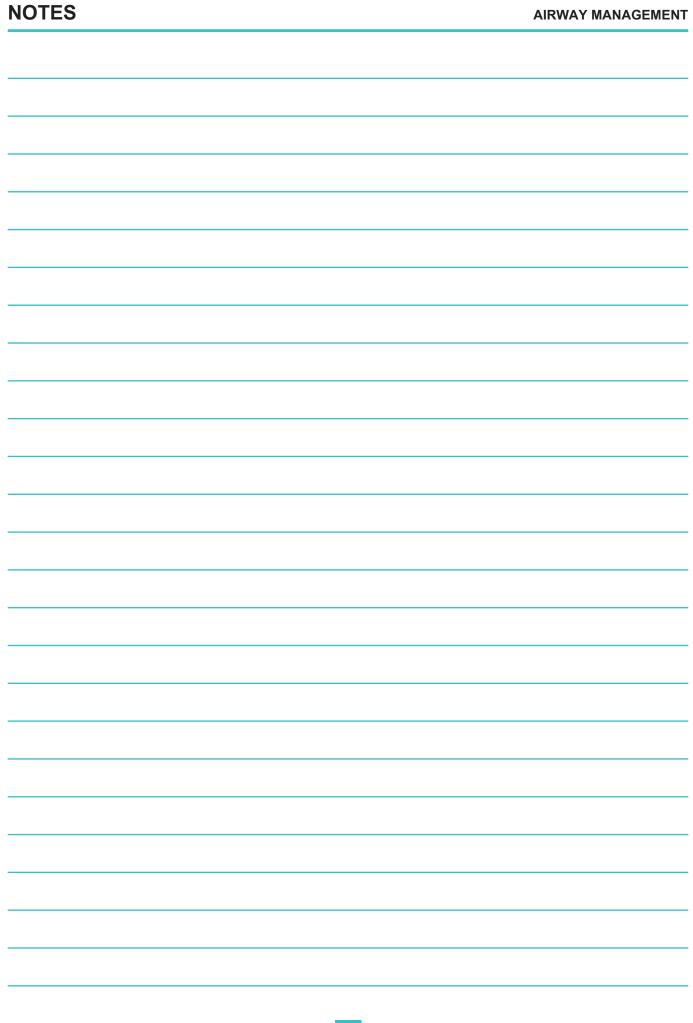
Next to the separately packaged voice prosthesis it contains the following components:

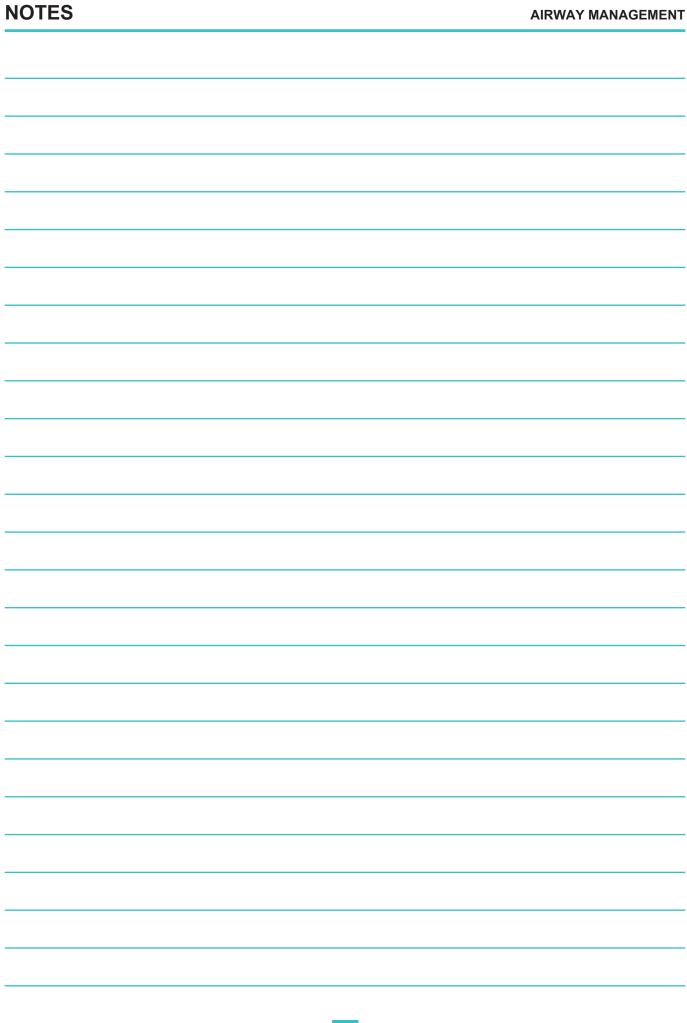
- Catheter (disposable item)
- ② Trocar (disposable instrument)
- Pharynx protector (disposable instrument)

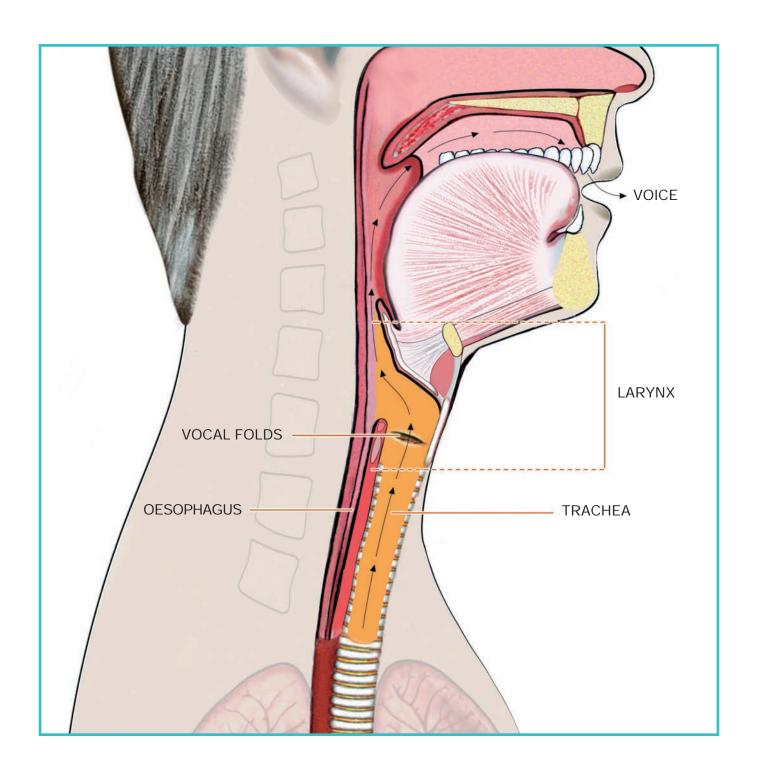
Blom-Singer® Adjustable Bi-Flanged Fistula Prosthesis

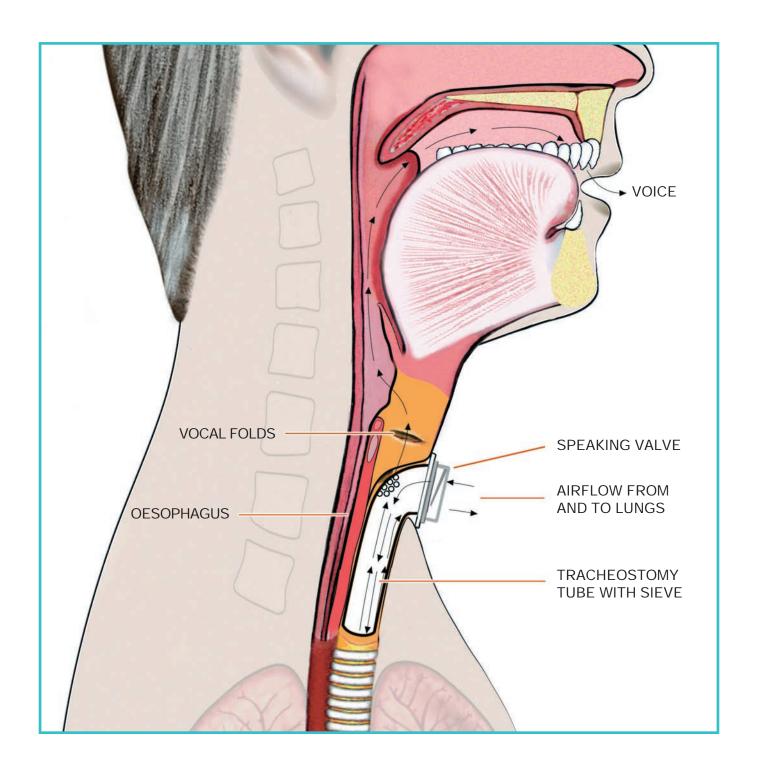
The individually adjustable bi-flanged fistula prosthesis was developed for the healthcare management of hypopharyngeal fistulas - in particular, pharyngo-cutaneous fistulas. It offers the user a further innovative option as part of the general professional management of fistulas.

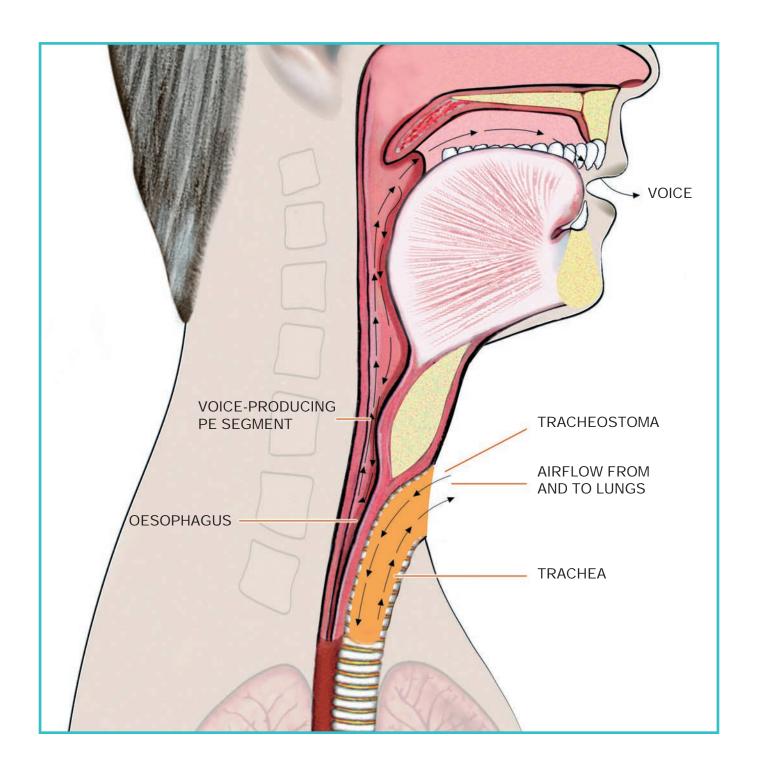
Description	Unit / pcs	Size	REF	
Blom-Singer® Voice Prosthesis Placement Surgical Kit	1	16 Fr. 20 Fr.	TP1000	
Blom-Singer® Adjustable Bi-Flanged Fistula Prosthesis 25 mm	1	25 mm	FM1003	
Blom-Singer® Adjustable Bi-Flanged Fistula Prosthesis 38 mm	1	38 mm	FM1004	
Blom-Singer® Adjustable Bi-Flanged Fistula Prosthesis 50 mm	1	50 mm	FM1005	
Blom-Singer® Fistula Prosthesis Insertion and Removal Catheter For size SMALL (25 mm) and MEDIUM (38 mm)	1		FM1010	
FAHL® KONIOTOMIE-SET	1		75001	
7/				

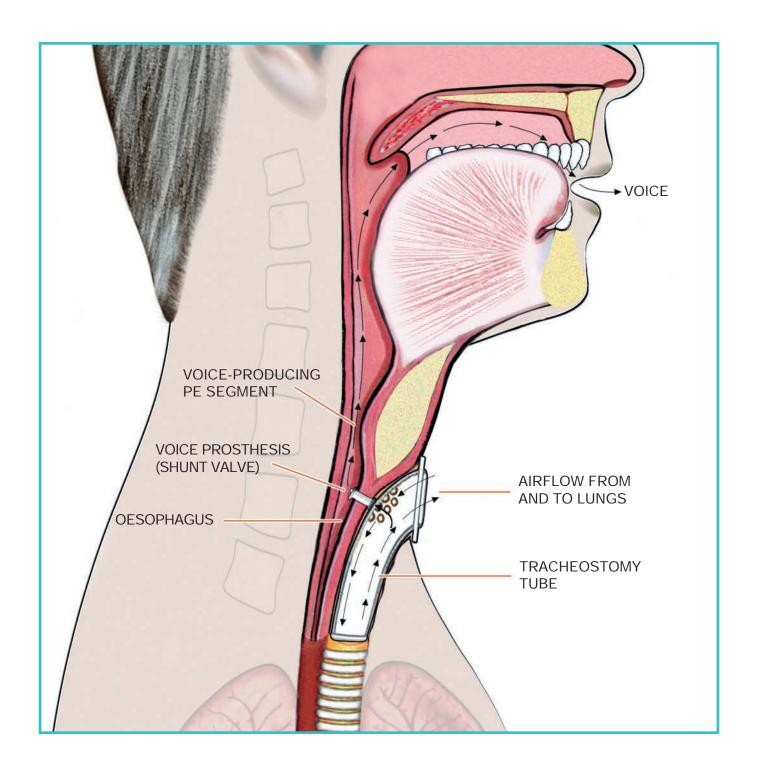


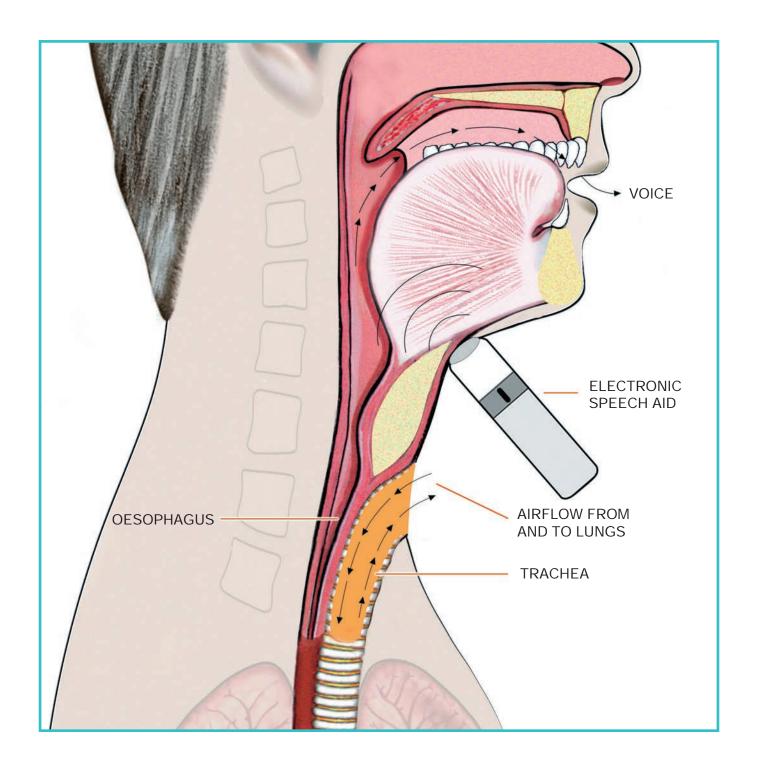


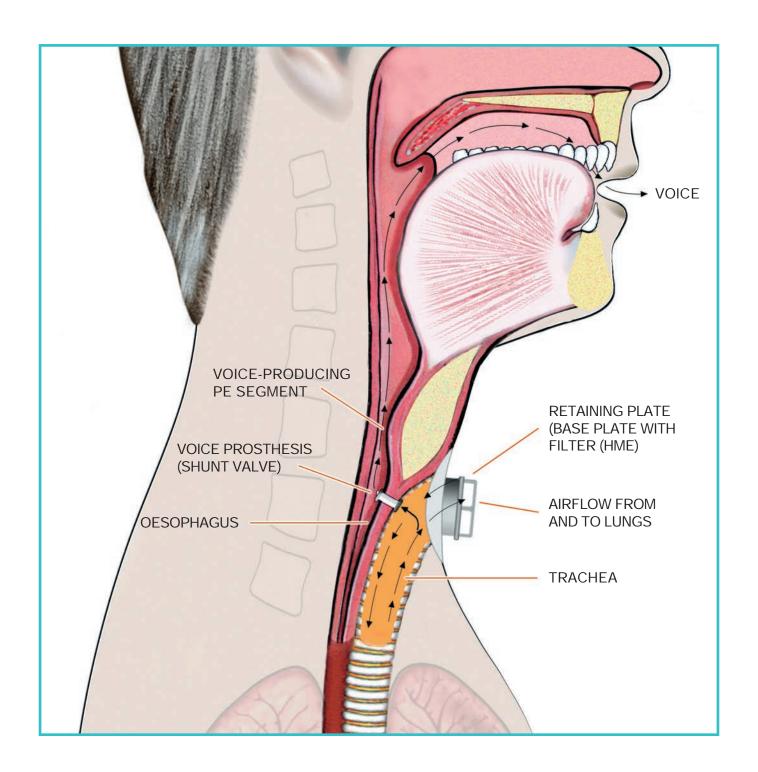














SIZING TRACHEOSTOMY TUBES

Tracheostomy tubes are available in different materials and different versions. A good fit of the cannula is essentially determined by two factors, the cannula diameter and the cannula length.

				TEC®/ \CH®				APL lard						AVE dard				В	utto	OTEC® on / short		s	ILVE	RVE	ENT®	
Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)	Size	O.D. Shield (mm)	I.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)
																					0	4.5	6.1	2.5	2.8	50
																					1	5.0	6.4	3.0	3.2	50
																					2	5.7	6.8	3.7	3.6	50
														2.7		55 / -					3	6.4	7.5	4.4	4.2	55
											3.5	4.8	6.2	3.6	2.7	55 / -						7.0	0.0	5.0		
H											4	5.8	7.2	4.4	3.3	55 / -					4	7.0	8.2	5.0	4.6	55
H											5	6.6	8.4	5.4	43	55 / 95					5	7.7	9.1	5.7	5.4	60
											J	0.0	0.4	5.4	4.5	33173					J	7.7	7.1	3.7	5.4	00
H											6	7.8	9.4	6.2	4.9	60 / 95					6	8.4	9.8	6.4	6.2	60
7	10.2	10.2	7.2	44 / 62 / 65	7	8.7	10.6	7.2	5.6	65 / -	7	8.8	10.2	7.0	5.5	65 / 100					7	9.0	10.9	7.0	6.6	65
8	11.2	11.2	8.2	44 / 62 / 70	8	10.4	12.5	8.2	6.1	70 / 105	8	9.8	11.2	8.0	6.5	70 / 105	8	11.0	8.0	22 / 15	8	9.7	11.6	7.7	7.0	70
9	12.4	12.4	9.4	44 / 62 / 75	9	11.3	13.6	9.3	7.1	75 / 110	9	11.2	12.4	9.0	7.5	75 / 105	9	12.0	9.0	22 / 15	9	10.4	12.3	8.4	7.7	75
10	13.4	13.4	10.4	44 / 62 / 85	10	12.4	14.6	10.0	8.0	85 / 115	10	12.2	13.4	10.0	8.5	85 / 110	10	13.0	10.0	22 / 15	10	11.0	13.2	9.0	8.2	80
				44 / 62 / 87												87 / 115				22 / 15				9.7		90
		15.4		44 / 62 / 90	12	14.3	16.5	12.3	10.2	90 / -						90 / 120	12	15.0	12.0	22 / 15				10.4	9.1	90
13	16.6	10.6	13.0	44 / 62 / 90							13	15.2	10.6	13.0	11.2	90 / 125					13		15.0			90
																					14	13.7	15.8	11.7	10.9	90

CIRCULAR TEMPLATES

To determine the outer diameter at the cannula tip in mm. From 3-15.5 mm in 0.5 mm steps.

 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0
 0</t

SIZING TRACHEOSTOMY TUBES

As the sizing of the individual cannula manufacturers is based on different measuring principles, these cannot always be directly compared. Exact measurement is often necessary, whereby certain aids can be helpful in measuring, e.g., a flexible measuring tape.

S		OUR dare			® um /		DI star	JRA idar			rt			TW OR P			SPIR			® / MRT	S	SPIRAFLEX® XL				SPIRAFLEX® short					
Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)	Size	O.D. Tip (mm)	I.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	1.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)
												3	4.5	2.0	36																
												3.5	5.3	3.5	39																
												4	6.0		42																
												4.5	6.5	4.5	45																
												5	7.0	5.0	48																
												5.5	7.7	5.5	52					may											
						6	10.3	11.9	8.0	6.3	82 / -	6	8.3	6.0	55	6	8.4	8.4	6.0	max. 52						6	9.4	9.4	6.0	4.5	61
7	8.8	10.2	7.0	5.5	65 / 75 / 100	7	10.8	11.9	8.6	7.0	82 /					7	10.2	10.2	7.0	max.	7	10.0	10.0	7.0	max.	7	10.4	10.4	7.0	5.5	67
					100						72									68					155						
8	9.8	11.2	8.0	6.5	70 / 80 / 105	8	11.4	12.5	9.5	8.0	85 / 75					8	11.2	11.2	8.0	max. 88	8	11.0	11.0	8.0	max. 155	8	11.4	11.4	8.0	6.5	77
9	11.2	12.4	9.0	7.5	75 / 85 / 105	9	12.5	13.7	10.6	9.0	88 / 78					9	12.2	12.2	9.0	max. 117	9	12.0	12.0	9.0	max. 155	9	12.4	12.4	9.0	7.5	77
40	12.0	12.4	10.0	0.5	85 / 95 /	40	12.0	15.0	11 /	10.0	91 /					40	12.0	10.0	10.0	max.	40	12.0	12.0	10.0	max.	40	12.4	12.4	10.0	0.5	00
10	12.2	13.4	10.0	გ .5	85 / 95 / 110	10	13.8	15.0	11.6	10.0	81					10	13.2	13.2	10.0	max. 118	10	13.0	13.0	10.0	max. 155	10	13.4	13.4	10.0	8.5	88
11	13.2	14.4	11.0	9.5	87 / 97 / 115											11	14.2	14.2	11.0	max. 123	11	14.0	14.0	11.0	max. 155	11	14.4	14.4	11.0	9.5	88
		15.4			90 / 100 / 120															123					700						

O.D. neck flange = Outer diameter behind the neck flange · O.D. Tip = Outer diameter of the outer cannula at the tip of the cannula · I.D. = Inner diameter at the tip of the cannula · O-cannula = Outer cannula · I-cannula = Inner cannula · Length = Length over the outer curve

CIRCULAR TEMPLATES

To determine the outer diameter at the cannula tip in mm. From 3 - 15.5 mm in 0.5 mm steps.



















In comparison, the inner diameter at the cannula tip will therefore play a role. In some tracheostomy tubes, the lengths of the middle radius or the middle length are also stated. These are the mean bending radius of the cannula tube, i.e., the radius of the (geometric) middle layer of the tube bend.

SIZING TRACHEOSTOMY TUBES

The following overview shows how the cannula diameter and length can be determined. It also illustrates which measurements are most commonly used.

ТІ				TEC°		7	TRACHEOTEC® TRACHEOSILC® F								FAHL® BIESALSKI						
Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	Length (mm)	Length (Midline) (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	Length (mm)	Size	O.D. Tip (mm)	O.D. Shield (mm)	I.D. OC (mm)	I.D. IC (mm)	Length (mm)
	4.7	4.7	2.0	47.0	40.7																
3.5	5.3	5.3	3.0	47.2 50.6	43.7																
4	6.0	6.0	4.0	57.1	52.7											4	5.6	8.4	4.0	2.3	44
4.5	6.7	6.7	4.5	57.7	52.7																
5	7.3	7.3	5.0	61.1	55.7	5	7.3	7.3	5.0	59.0	5	7.3	7.3	5.0	57.0	5	6.5	9.0	5.0	3.3	46
5.5	8.0	8.0	5.5	63.6	57.7																
6	8.7	8.7	6.0	67.1	60.7	6	8.7	8.7	6.0	70.0	6	8.7	8.7	6.0	63.0	6	7.7	9.7	6.0	3.9	52
6.5	9.3	9.3	6.5	73.5	66.6																
	10.0		7.0	77.0	69.6	7	10.0	10.0	7.0	75.0	7	10.0	10.0	7.0	71.0	7	8.6	11.0	7.0	5.0	60
7.5	10.711.3	10.7	7.5 8.0	81.5 87.9	73.6 79.5	8	11.0	11.0	8.0	81.0	7.5 8	10.7	10.7	7.5 8.0	73.0 75.0	8	0.7	12.0	8.0	5.9	66
8.5	12.0	12.0	8.5	90.4	81.5	0	11.0	11.0	6.0	01.0	8.5	11.7	11.7	8.5	78.0	0	9.7	12.0	6.0	5.9	00
9		12.7		94.9	85.5	9	12.3	12.3	9.0	92.0	9	12.3			80.0	9	11.5	14.0	9.0	7.0	71
											9.5	13.3	13.3	9.5	83.0						
10	14.0	14.0	10.0	105.3	95.0											10	12.1	15.0	10.0	7.9	75
																11	12.4	16.0	11.0	9.2	78.5
																12	13.9	17.0	12.0	9.8	77

O.D. neck flange = Outer diameter behind the neck flange \cdot O.D. Tip = Outer diameter of the outer cannula at the tip of the cannula \cdot I.D. = Inner diameter at the tip of the cannula \cdot O-cannula = Outer cannula \cdot I-cannula = Inner cannula Length over the outer curve

CIRCULAR TEMPLATES

To determine the outer diameter at the cannula tip in mm. From 3 - 15.5 mm in 0.5 mm steps.





by placing the cannula (tip) on the template.









The table is intended to facilitate the determination of the outer diameter at the cannula tip. The diameter can simply be determined

PICTOGRAM LEGEND

Pictogram	Description
Outer cannula	
	Outer cannula with no inner cannula
	Outer cannula with one inner cannula
	Outer cannula with two inner cannulas
	Outer cannula with three inner cannulas
Com	Outer cannula including 15 mm-connector (UNI)
[2]	Outer cannula including 22 mm-connector (KOMBI)
	Outer cannula including 15 mm-swivel connector (VARIO)
BUTTOM	Stoma button
0	Decannulation plug
COS	Several small fenestration holes in a specific arrangement in the center of the tube. is referred to as "sieve" (LINGO)
AK	Outer cannula fenestrated
Cout	Outer cannula with a slit
CUFF	With low-pressure cuff (CUFF)
allemon	With suction device (SUCTION)
PHON	Speaking valve (PHON)
Inner cannula	
	Inner cannula with low profile
15mm	Inner cannula with 15 mm-connector (UNI)
(150m)	Inner cannula with 15 mm-swivel connector (VARIO)
C _{22mm}	Inner cannula with 22 mm-connector (KOMBI)
IK	Inner cannula fenestrated
FLEX	Inner cannula flexible
O ₂	With oxygen support
General	
S	Length short
М	Length medium
XL	Length XL
MRT	MRI suitable
PED	Specially for children
BE	For artificial ventilation
STERILE	Sterile

LIST OF ABBREVIATIONS

Abbreviation	Description
LINGO	Sieve-fenestrated
CUT	With a slit
CUFF	With low-pressure cuff
SUCTION	With suction device
MULTI	Multi function
XL	Length XL
M	Length medium
Short	Length short
PHON	With speaking valve
UNI	With 15 mm-connector
VARIO	With 15 mm-swivel connector
KOMBI	With 22 mm-connector
FIX	Button with fastening eyelets
SV	Speaking valve
HP	HUMIDOPHONE®
СР	COMBIPHON®

Abbreviation	Description
SZ	Size
IC	Inner cannula
ICF	Inner cannula. fenestrated
ICU	IC with 15 mm-connector (UNI)
ICFU	IC with 15mm-connector (UNI). fenestrated
ICV	IC with 15 mm-swivel connector (VARIO)
ICFV	IC with 15 mm-swivel connector (VARIO). fenestrated
ICK	IC with 22 mm-connector (KOMBI)
ICFK	IC with 22 mm-connector (KOMBI). fenestrated
ICX	IC flexible
ICFX	IC flexible. fenestrated
O2	IC with oxygen support





















Andreas Fahl Medizintechnik-Vertrieb GmbH August-Horch-Str. 4a

51149 Cologne - Germany Phone +49 (0) 22 03/29 80-0 Fax +49 (0) 22 03/29 80-100

mail info@fahl.de

www.fahl.de

Local branch Berlin

Am Borsigturm 62 13507 Berlin - Germany Phone +49 (0) 30/43 73 139-0 Fax +49 (0) 30/43 73 139-35

Local branch Munich

Aurbacher Straße 2 81541 Munich - Germany Phone +49 (0) 89/58 90 90 9-0 Fax +49 (0) 89/58 90 90 9-20 Overseas branch Austria

Triester Straße 14 / Bürohaus 2 2351 Wiener Neudorf - Austria Phone +43 (0) 22 36/89 28 38-0 Fax +43 (0) 22 36/89 28 38-14

Overseas branch Switzerland

Cherstrasse 4 8152 Glattbrugg - Switzerland Phone +41 (0) 448293060 Fax +41 (0) 448293061

