



SERVOX Product catalogue



Tracheostomy/Laryngectomy



Contents



Speech aid SERVOX® digital | Page 6

Speech aid SERVOX® digital | PC Transfer Set | Car adapter | USB cable



Suction | Page 10

SERVOX Mediport 3000 mobil | Medi-Vac® | Servoport HF | SERVOX suction catheter



Inhalation | Page 14

Servodrop MS | Servodrop US ultrasonic nebuliser



Therapy unit | Page 16

Water therapy unit | Nose and smell hose | Shower protector | Artificial Noses Servomex



For the emergency | Page 18

SERVOX respiratory mask | Flash medical alert | Breathing bag | Tracheostoma set |



Tracheostomy tubes Servoplast | Page 20

Tracheostomy tube Servoplast | Accessory Servoplast inner cannula with adapter | Servoplast outer and inner cannula



SERVOX silicone line | Page 26

SERVOX short silicone cannulas | SERVOX Stoma Button



Cleaning | Page 28

Cannula cleaning | Stoma cleaning



Cannula care accessories | Page 30

Tracheal Compresses | Tracheofix with hole | Tracheostomy tube straps



Tracheostoma protection | Page 34

Larynx protection collection | Tracheofix



Enteral Nutrition Servosan | Page 36

Servosan | Servoflex nutrition P transfer system | Servosan® enteral nutrition pump



Dear customer,

the brand name **SERVOX** is worldwide known as a synonym for high quality Speech aids. In 1968 our company introduced its first neckdriven Speech aid to the international market. Since then we have continuously improved our Speech aids through innovations and new developments.

As a result of this improvement we are proud to offer the **SERVOX® digital** Speech aid – successor to the **SERVOX® Inton** – which allows the patients a far better and more individual voice restoration through digital technology.

Beside our SERVOX Speech aids we have a wide product range for the care of laryngectomised and tracheotomised patients. With this international catalogue we present our comprehensive products and accessories.

In the range of tracheal tubes we recommend our attractive **SERVOPLAST** program, which give an individual solution for any patient through its various sizes and adaptations. Our other products including tracheal compresses and tracheostoma protection are also well-known thanks to their high material quality and perfect form.

The compact design of our suction, inhalation and water therapy devices allows the user an increased mobility through easy handling and operation. To complete our product field for laryngectomised and tracheotomised patients, we offer with **SERVOSAN®** a complete enteral nutrition program for enteral feeding.

We thank our regular customers for the confidence and our new customers for the interest. Look forward to a successful and reliable business cooperation with you in the future.

Your sincerely,



Dr. Marc Böhme
Business Development,
Export & Marketing
Director



Frank Lutz
Commercial Director



Rainer Schmitz
Sales Director

SERVOX history



1949

Founding of Dr. Kuhn & Co. GmbH – Manufacturer, distributor and wholesaler of chemical-pharmaceutical, technical and medical products.

1958

Dr. Kuhn & Co. came up with the idea of an electronical produced artificial Speech aid, to give patients a voice.



1961

Dr. Kuhn & Co. merged with the Madaus group. Scientific and economic security is provided by the leading German pharmaceutical company.

1962

Distribution of the Speech aid under the still valid brand name SERVOX. Further development, improvement and national distribution of the Speech aid.



1968

First considerable foreign activities. International distribution of the SERVOX Speech aid.

1987

Intonation is integrated into the SERVOX Speech aid. The post-operative voice of laryngectomised patients sounds much more natural.



1988

Dr. Kuhn & Co. takes over the company Hassheider Medizintechnik KG. Creation of a patient-oriented care range with medical devices and aids, tracheal tubes, suction and inhalation devices and articles of daily requirements for patients.

1990

Both companies merge to form SMT Servox-Medizintechnik GmbH.



2000

Changing into SERVOX AG. The company name SERVOX is derived from the name of one of our most successful products - the Servox speech device - and is based on the Latin translation for "a serving voice".

2004

Quality management certification according to DIN EN ISO 9001:2000 and DIN EN ISO 13485:2003.



2007

Changing company form into SERVOX GmbH.

2008

Further internationalisation of Servox brand name based on continuing process of product innovation, marketing and sales improvement and customer-orientated service.



The proven quality of our products is certified according to DIN EN ISO 9001:2000 and DIN EN ISO 13485:2003 by independent expert, TÜV Rheinland Product Safety GmbH. This approves our effective quality management system and confirms quality of our processes, products and customer-oriented service.

Our medical products bear the CE marking in conformity with the applicable requirements of EU Council Directive 93/42/EEC on medical products.

The high quality of SERVOX products meet the requirements of most related international quality standards.



Speech aid SERVOX® digital



Indications

- For patients who have lost their voice through injury, illness or surgical removal of their larynx, this presents an opportunity to quickly make themselves understood through their voices.
- Can be used by patients who have temporarily lost their voices through a tracheotomy, because they have to rest their vocal folds due to an illness or because they are connected to a respiratory device.
- Patients who are capable of using oesophageal substitute voice can use the SERVOX® digital on different occasions, for instance when making phone calls, for business meetings, when they are tired, ill or subjected to a lot of pressure, in emergency cases and in environments where speaking in a loud voice is absolutely essential.



Product features

- High quality, particularly reliable and simple to operate.
- The manual setting of the basic function is very simple.
- Both buttons can be set for various volumes and pitches, enabling an individual setting.
- Various modes of use:
 - Operation by one button only
 - Use of two buttons with different volumes (one button muted)
 - Use of two buttons with different frequencies
 - Combined setting of the buttons to provide volume and speech melody to suit individual needs through adjustment with special software
- Rocker switch for individual volume adjustment, prevents accidental pitch alteration
- Further adjustments to the natural speech melody can be made using a special software and PC transfer cable (available as accessory)
- Titanium housing resistant to perspiring hands
- Carrying cord can easily be exchanged and detached
- Practical hip bag specially designed for Speech aid



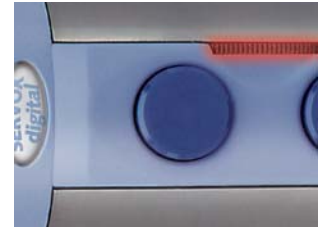
Digital electronics with serial interface

In addition to the basic manual settings, the digital electronics have a serial interface for connection to a PC. With the aid of special software, a wide range of individual settings can be selected and stored. – USB cable now also available



Optical battery control

The SERVOX® digital has a red Flasher which signals that the battery reserve has been reached. An elaborate energy management system protects the battery from being discharged completely and lengthens speech duration by reducing energy consumption.



Processor-controlled battery charger

The intelligent charging technique ensures simple, safe and rapid recharging of the reliable SERVOX battery. The battery can be left in the SERVOX® digital during charging. A replacement battery can also be charged at the same time.



User-friendly handling

The SERVOX® digital has numerous user-friendly details. For example, the carrying cord can be changed or removed by the patient. If the carrying cord has been removed, the opening can be closed using a cord protector.



Functional hip bag

Among the accessories is the dark blue nylon hip bag specially designed for the SERVOX® digital. A separate compartment makes it easy to carry a replacement battery safely. The bag can be adjusted to fit belts of various widths.



Oral connector with adapter

If it is not possible to position the device against the neck (e.g. following radiation treatment or surgery), there are three other possibilities to achieve the correct sound vibrations in the oral and pharyngeal cavities. For this purpose, the adapter with the two different oral connector tubes is required. Three combinations are available: adapter with long oral tube (minor infiltration of saliva), adapter with short oral tube (soft in the mouth) or adapter without oral tube (for the highest volume level).

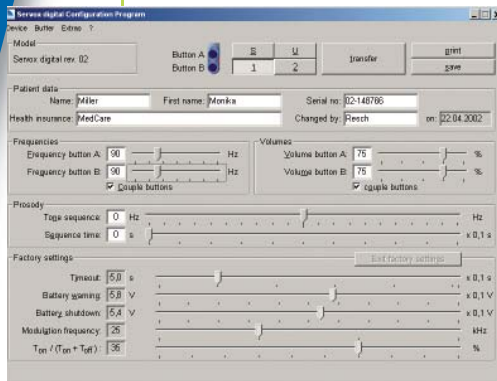


Two different screw caps

Clear articulation and the safe, coordinated pressing of the buttons are crucial for good comprehensibility. Upon delivery of the SERVOX® digital Speech aid, two screw caps are provided, one with harder and one with softer sound characteristics. Therefore, the individual adjustment of the Speech aid is adapted to the personal needs and desires of the patient.



Speech aid SERVOX® digital



Independence and confidence

Directly after operation or later, the Speech aid SERVOX® digital offers a reliable and easy-to-learn possibility to speak and give the laryngectomised and tracheotomised people back the independence and confidence. The digital technology also allows to make the voice individually.

Speech therapists can use a PC to easily and correctly adjust voice for each individual patient. Speech aid can be adjusted and the optimum configuration can be found by testing. Of course, it is always possible to go back to the original setting when trying the Speech aid out.

The SERVOX® digital allows to actively participate in any conversation and to quickly assimilate back into private and professional life. The voice restoration is even available in case of emergency independent of the current health status or emotional state.



PC data transfer set



Additional optional settings can be made using a PC. For this you need the PC Transfer Set. This contains the data cable for the PC, the related software and a titanium housing with a recess. These products are not part of the standard scope of delivery. This simplifies the possibilities for the professional user to set the SERVOX® digital Speech aid within the framework of vocal rehabilitation.

**Now also with
USB cable!**

Supporting readings



Continuing instructions to the subject SERVOX® digital you can request any time (free of charge).



Supply Contents

- SERVOX® digital Speech aid
- LA 2.40 charger
- NiMH battery(s)
- Hip bag/holster
- Safety cord set with replacement cord protector
- Oral connector with adapter
- Soft-tone screw cap
- Instruction manual



Technical data

Dimensions of Speech aid (L x Ø): 118 x 35 mm
 Dimensions of charger (W x H x D): 85 x 45 x 146 mm
 Weight of Speech aid without battery: 110 g
 Weight of charger without battery: 380 g
 Weight of NiMH battery: 60 g

Electrical values – Battery

Battery voltage: 7,2 V=

Electrical values – Charger

Input voltage: 230 V~ and 110 V~/50-60 Hz
 Output voltage: 18 V= max.
 Performance: 5,2 VA
 Charging current: 80 mA max.
 Short circuit current: 50 mA max.
 Ambient temperature: 10°C - 30°C (full performance)
 0°C - 40°C (still permissible)

Order information

Description	Unit	Order no.
Speech aid SERVOX® digital -Set with charger LA 2.40 (110 V)	1	17140
Speech aid SERVOX® digital -Set with charger LA 2.40 (230 V)	1	17139
Charger LA 2.40 (110 V)	1	17243
Charger LA 2.40 (230 V)	1	17148
Adapter with 2 short oral tubes, 2 long oral tubes	1	18253
Replacement oral tube (2 short and 3 long)	1	18252
Battery, NiMH	1	19632
Soft tone screw cap	1	19186
PC data transfer set with Rs232-port	1	17175
PC data transfer set with USB-port	1	22955
Car adapter (12 V)	1	19813
USB adapter (for cable in item # 17175)	1	18171

Car adapter



12 Volt adapter for charge in the car.

USB cable



USB cable for the connection of SERVOX® digital with PC.



Indications

- For use in nursing homes or the home environment when self-contained suction is required
- Secretion build-up in the respiratory system, which makes suction necessary

The compact design means ease of use and increased mobility for user and patient.

With the combination of innovative battery technology and Direct Docking System (DDS), the Mediport 3000 mobil is the ideal suction apparatus for on the go.

Safe and easy secretion management, long filter service life, ease of operation and its modern design make it first choice for home care.

Product features

- Reliable and strong suction capacity (22 ±2 l/min.)
- Infinitely adjustable vacuum regulation with precision display
- Self-contained battery operation for up to approx. 35 minutes
- Battery control
- Graduated 1 litre secretion container
- Secretion container cover with triple overflow safety
 - Innovative filter technology
 - Integrated overflow protection
 - DDS (Direct Docking System)
- Low sound level
- Low-maintenance, stylish housing
- Rubberised grip for safe transport
- Can be used with closed suction system (Medi-Vac®)





Technical data

Suction capacity:	22 ± 2 l/min
Vacuum regulation:	0 kPa to -76 kPa
Secretion glass:	1 litre
Supply voltage:	230V~; 50/60 Hz
Power consumption:	30 VA
Battery:	12 Volt 1600 mAh, LiMn
Operating time:	battery operation, approx. 35 min
Dimensions:	H 250 x W 255 x D 180 mm
Weight:	3,2 kg (charging unit: 0,7 kg)
Sound pressure level:	52 dB (A) @ 1 m (nach ISO 7779)



Scope of delivery

- SERVOX Mediport 3000 *mobil* suction apparatus
- Secretion glass with DDS bacterial filter and overflow safety
- Suction hose with fingertip
- Rinsing container
- Mains connection
- Instructions for use

Order information

Description	Unit	Order no.
SERVOX Mediport 3000 <i>mobil</i>	1	19944
Consumables:		
DDS bacterial filter/float shut-off	10	21853
Suction hose with fingertip 1.30 m	1	22112
Accessories:		
Hose winder for suction hoses	1	21855
Carrying bag with storage compartments	1	21856
Mounting support with universal claw	1	21857
Medi-Vac® outer tank 1l	1	21861
Bracket for Medi-Vac® outer tank 1l	1	21862
Medi-Vac® inner tank 1l incl. GelVac® 1l	45	22371
Car adapter for SERVOX Mediport 3000 <i>mobil</i>	1	22141

Medi-Vac®



Order information

Description	Unit	Order no.
Mediport 3000 + Medi-Vac®	1	22472

Product features

- Closed suction system for the Mediport 3000 *mobil* suction apparatus
- For use with patients with drug-resistant organisms (MRSA, ORSA, etc.) in the nursing home or home environment
- Secretions can be safely and easily disposed without disease transmission
- Easy handling
- With mechanical overflow valve
- Double bacterial filter provides optimum protection for the user
- The system consists of a MediVac® outer tank + inner tank (incl. GelVac® portion bag)



Servoport HF



Scope of delivery

- Servoport suction apparatus HF
- Secretion glass with filter and overflow safety
- Rinsing glass with cover
- Suction hose
- Fingertip
- Instructions for use

Product features

- Suction apparatus for ENT suitable for laryngectomised and tracheotomised patients
- Easy to clean and disinfect
- All components can be sterilised
- With bacterial filter and overflow safety



Technical data

Suction capacity:	26 l/min
Fuse:	1,6 A 250 V
Final vacuum:	750 hPa
Mains rated voltage:	230 V~/50 Hz
Power consumption:	80 W
Suction regulation:	0,1 – 0,75 bar
Dimensions (W x H x D):	260 x 240 x 120 mm
Weight:	3,4 kg



Order information

Description	Unit	Order no.
Servoport HF	1	17450
Accessories:		
Sterile filter, complete	1	11651
Rinse cup with cover	1	15429
Suction hose with fingertip, 1 m	1	17557



SERVOX suction catheter, 90 cm



Product features

- Ensures adequate freedom of movement
- Can be used without any additional suction hose
- Length: 90 cm
- Available in 6 sizes
- Individually packaged, sterile
- DEHP-free
- For single use

Order information

Size	Farbe	Unit	Order no.
CH 08	blue	100	22382
CH 10	black	100	22383
CH 12	white	100	22384
CH 14	green	100	22385
CH 16	orange	100	22386
CH 18	red	100	22387

SERVOX suction catheter, 50 cm



Product features

- Used together with a suction hose
- Length: 50 cm
- Available in 7 sizes
- Individually packaged, sterile
- DEHP-free
- For single use

Order information

Size	Farbe	Unit	Order no.
CH 06	pale green	100	22375
CH 08	blue	100	22376
CH 10	black	100	22377
CH 12	white	100	22378
CH 14	green	100	22379
CH 16	orange	100	22380
CH 18	red	100	22381



SERVOX suction catheter, 11 cm



Product features

- Length: 11 cm
- Available in 3 sizes
- Individually packaged, sterile
- DEHP-free
- For single use

Order information

Size	Farbe	Unit	Order no.
CH 08	blue	50	22372
CH 10	black	50	22373
CH 14	green	50	22374



Servodrop MS

Scope of delivery

- Servodrop MS compressor
- Servodrop MS nebuliser
- Connecting line
- Nozzle extractor
- Instructions for use



Product features

- Inhaler for the laryngectomised and tracheotomised patient for treatment of the lower respiratory system
- Moist and warm or also cold inhalation possible
- Equipped with a mask for tracheotomy patients, making inhalation easy and uncomplicated even during radiation
- High levels of medication to the diseased respiratory system directly
- Many medically indicated inhalation applications for the lower respiratory system possible – from simple inhalation of isotone saline solution to administration of medicines
- Deep inhalation with a special nebuliser possible
- Nebulisation of the inhalation solution using compressed air
- High output, adjustable to 3.3 g/min. for quick effect
- 30 ml inhalant volume for continuous inhalation of 10 minutes
- Inhalant temperature adjustable to max. 39°C
- Easy handling and cleaning

Technical data

Dimensions (H x W x D):	276 x 120 x 120 mm (Nebuliser) 106 x 198 x 233 mm (Compressor)
Weight:	approx. 1 kg (Nebuliser) approx. 1,9 kg (Nebuliser)
Voltage:	230 V ~50 - 60 Hz (Nebuliser) 230 V ≈ 50 Hz (Compressor)
Current consumption:	0,42 A (Nebuliser) 1 A (Compressor)
Power:	100 W
Aerosol temperature:	26-39°C (depending on control setting)
Maximum fill volume:	30 ml
MMD (Mass Median Diameter*):	approx. 9 µm
Total output:	max. 3,3 g/min (depending on air intake control for warm nebulisation)

Order information

Description	Unit	Order no.
Servodrop MS	1	17172
Accessories:		
Porex air filter for compressor	1	19062
Compressed-air hose	1	19063
Suction hose silicone	1	17412
Nozzle insert with nozzle extractor	1	17415
Servodrop MS mask, autoclaveable	1	17410
Inhalation solutions:		
Isapak® System 500 sterile water 500 ml	1	15917
Isapak® System 1000 sterile water 1,000 ml	6	15869

Therapy units

Water therapy unit



Product features

- Combination of cuffed tracheal cannula and flexible corrugated hose with mouthpiece.
- Seals the trachea against water infiltration and makes nasal breathing possible again as a bypass.
- Areas of application are exercise therapy and therapeutic swimming

Order information

Description	Size	Unit	Order no.
Water therapy unit	5	1	14698
Water therapy unit	6	1	14699
Water therapy unit	7	1	14700
Water therapy unit	8	1	14701
Water therapy unit	9	1	14702
Water therapy unit	9,5	1	14703



Nose and smell hose



Product features

- With standard connector
- For connecting the tracheostoma to the mouth
- Makes breathing through the nose and thus smelling possible
- Patients who do not wear a cannula can put a tracheal/neck mask (optional) on the nose and smell hose and thereby cover the tracheostoma to ensure the seal

Order information

Description	Unit	Order no.
Nose and smell hose	1	12648
Tracheal/neck mask	1	11439



SERVOX shower protector



Order information

Description	Unit	Order no.
SERVOX Shower Protector	1	11338

Product features

- Imperative aid for daily personal hygiene
- Protects respiratory tract from water
- Allows you to take a shower without any risk
- Can be put on like a bib
- Made of natural rubber
- Adjustable to various neck sizes from 31 – 45 cm

Servomex Artificial Noses



Technical data

Recommended TV: 50-1000 ml
 Internal volume 17 ml
 Weight: 6 g

Order information

Description	Unit	Order no.
Servomex Artificial Noses	30	22353

Product features



- Effective foam filter media
- For humidifying, warming and filtering breathable air for intubated or tracheotomized patients
- Can be fitted to all tracheal cannulas with a standard 15 mm connector
- With 5 mm connection for additional oxygen application
- Recommended tidal volume 50 – 1000 ml
- With pressure-relief valve in cover
- Body of plastic material with lateral inset grips for easy handling
- For single use
- Individually packaged, sterile
- The plastic Servomex nose cannot be reprocessed and must be replaced after max. 24 hours and more frequently as needed for contamination.



For the emergency

SERVOX Tracheostoma set



Product features

- Personal safety set for tracheostoma patients 'for all cases'
- Patients should always carry the set whenever possible
- Motorist should store the set in or near the first-aid kit in the car
- The tracheostoma set consists of:
 - 1 Servoplast tracheal cannula, size 9
 - 1 secretion tweezers
 - 1 SERVOX respiratory mask
 - 1 Speculum for tracheostoma expansion
 - 1 SERVOX tracheotomy patient ID
 - 1 Car sticker
 - 1 Case for SERVOX tracheostoma set

Order information

Description	Unit	Order no.
SERVOX Tracheostoma set	1	13435

SERVOX respiratory mask



Product features

- For safe mouth-to-tracheostoma ventilation
- Optimum fit between the soft silicone mask and the tracheostoma ensuring a tight seal
- Fitted one-way valve to protect the user against infection risks
- The valve discharges exhaled air to the side ensuring that the rescue breather does not inhale the same air
- One-way valve with standard 15 mm connector, breathing bag can be mounted as needed
- Can be individually positioned thanks to flexible hose
- Well protected in orange plastic housing
- Detailed description in the instructions for use

Recommendation: Always carry the SERVOX respiratory mask

Order information

Description	Unit	Order no.
SERVOX respiratory mask	1	19349



Flash medical alert



Product features

- Multifunctional applications and simple operation
- Alarm siren – High intensity audible signal (105 dB)
- Blinklight, also independent of the siren
- Torch light function
- Blinklight and torch light can be operated separately
- Low weight
- Small dimensions: 57 x 88 x 26 mm (W x H x D)
- With belt clip
- Imprinted reference to the disability and needed assistance
- Can also be used as an alarm on doors or windows, etc. thanks to included bracket
- 9 V battery, included in scope of delivery

Order information

Description	Unit	Order no.
Flash medical alert	1	14967

Breathing bag



Product features

- Material: PVC, latex-free
- For manual ventilation of spontaneously breathing, tracheotomized or intubated patients in case of emergency
- Can be disinfected and sterilised (with gas)
- Can be attached to any tracheal cannula without a mask or any endotracheal tube with standard 15 mm connector
- Atmospheric air can be enriched as breathing gas by using an O₂ reservoir system with oxygen
- With pressure cut-off valve
- Available in three different sizes

Order information

Description	Version	Volumen	Unit	Order no.
AERObag BBP-B	for Babies	300 ml	1	19361
AERObag BBP-K	for Children	470 ml	1	19084
AERObag BBP-E	für Adults	1700 ml	1	19206

Artificial respiration masks in different versions and sizes on request available!



QUALITY

By choosing the Servoplast tracheostomy tubes program, you can be confident that not only the highest quality materials are being used, but also the workmanship is at the highest level.

FLEXIBILITY

We provide seven different versions of various combination possibilities; therefore the doctor has the ability to perfectly match the patient's needs.

Supply contents:

- Tracheostomy tube card
- Tube strap
- Storage and cleaning box



Operating

- Easy to handle – removing of inner cannula without rotation reduces throat irritation by cannula change
- We recommend using 2 tracheostomy tube versions with different sizes, which minimizes any possible irritation through tip of cannula
- Each Servoplast tracheostomy tube version is supplied with two inner cannulas
- We recommend using inner cannulas with spacer during radiation therapy, in particular because it does not have metal parts.

Cleaning and Care

- Cleaning intervals
 - Inner cannula: 2 x/day (more frequent if needed)
 - Outer cannula: 1 - 2 x/day
- Tracheostomy tube can be cleaned with cleaning powder and suitable cleaning brushes
- Tracheostomy tube can be disinfected with disinfecting powder
- Keep tracheostomy tube in clean and dry place
- Before using inner cannula it should be lubricated with stoma oil

Product features



- Material: Thermoplastic polyurethane (PUR), Latex free, PVC-free
- Comfortable for extended periods of time
- Easy to insert the tube in the trachea
- Extremely safe
- Simple changing of inner cannula
- Reduces decubital necrosis
- Tremendous material tolerance
- Radioparent
- Cast in one piece
- Easy to clean
- Conical
- Standard bend of 90°
- Inner cannula can be supplemented when required

Special types can be made to order, e.g., shortening, sieving and fenestrating, and extra long versions are available on request

Order information

Size	Dimensions (mm)				
	ED (a)	ED (b)	ID (OC)	ID (IC)	Length
7	10,6	8,7	7,0	5,6	65
8	12,5	10,5	8,3	6,1	70
9	13,6	11,6	9,4	7,1	75
10	14,6	12,5	10,3	8,0	85
11	15,3	13,5	11,2	9,0	87
12	16,5	14,5	12,4	10,2	90

ED (a): External diameter of the outer cannula, behind the cannula shield
 ED (b): External diameter of the outer cannula at the cannula tip
 ID (OC): Internal diameter of the outer cannula at the cannula tip
 ID (IC): Internal diameter of the inner cannula at the cannula tip
 Length: from cannula shield to cannula tip along the outside bends

Servoplast Version 1



Order information

Description	Unit	Order no.
Version 1	1	22161-*

* Please specify required size (s. page 20) when you order!

Indications

- For laryngectomised patients without voice prosthesis
- For tracheotomised patients without voice option
- For stabilising the tracheostoma
- If a protection bib or neckerchief is sufficient for covering the tracheostomy tube

Version 1 consists of

- 1 outer cannula
- 2 inner cannulas with spacer

Servoplast Version 2



Order information

Description	Unit	Order no.
Version 2	1	22162-*

* Please specify required size (s. page 20) when you order!

Indications

- For laryngectomised patients without voice prosthesis
- For tracheotomised patients without voice option
- For stabilising the tracheostoma
- For attaching an artificial nose

Version 2 consists of

- 1 outer cannula
- 1 inner cannula with spacer
- 1 inner cannula with 15 mm standard connector

Servoplast Version 3



Order information

Description	Unit	Order no.
Version 3	1	22163-*

* Please specify required size (s. page 20) when you order!

Indications

- For laryngectomised patients without voice prosthesis
- For tracheotomised patients without voice option
- For stabilising the tracheostoma
- For attaching an artificial nose

Version 3 consists of

- 1 outer cannula
- 2 inner cannulas with 15 mm standard connector

Servoplast Version 4



Order information

Description	Unit	Order no.
Version 4	1	22164-*

* Please specify required size (s. page 20) when you order!

Indications

- For laryngectomised patients with voice prosthesis
- For tracheotomised patients with voice option
- For stabilising the tracheostoma

Version 4 consists of

- 1 outer cannula, sieved
- 2 inner cannulas with adaptor, fenestrated

Application instructions:

- Adaptor enables laryngectomised patients with voice prosthesis to speak by closing tracheostoma with their fingers.
- For tracheotomised patients Servoplast speaking valve, Servoplast standard connector or Servoplast locking cap can be attached.

Servoplast Version 5



Order information

Description	Unit	Order no.
Version 5	1	22165-*

* Please specify required size (s. page 20) when you order!

Indications

- For laryngectomised patients with voice prosthesis
- For tracheotomised patients
- For stabilising the tracheostoma
- For attaching an artificial nose

Version 5 consists of

- 1 outer cannula, sieved
- 1 inner cannula with 15 mm standard connector
- 1 inner cannula with 15 mm standard connector, fenestrated

Application instructions:

- Fenestrated inner cannula for attaching a speaking valve (for instance Passy-Muir) or a TrachPhone®

Servoplast Version 6



Order information

Description	Unit	Order no.
Version 6	1	22166-*

* Please specify required size (s. page 20) when you order!

Indications

- For tracheotomised patients
- For stabilising the tracheostoma
- For attaching an artificial nose

Version 6 consists of

- 1 outer cannula, sieved
- 1 inner cannula with 15 mm standard connector
- 1 inner cannula with speaking valve, fenestrated

Application instructions:

- Inner cannula with speaking valve enables speaking without using fingers.

Servoplast Version 7



Order information

Description	Unit	Order no.
Version 7	1	22167-*

* Please specify required size (s. page 20) when you order!

Indications

- For tracheotomised patients
- For stabilising the tracheostoma

Version 7 consists of

- 1 outer cannula, sieved
- 1 inner cannula with 15 mm standard connector, fenestrated
- 1 inner cannula with speaking valve, fenestrated

Application instructions:

- Fenestrated inner cannula with 15 mm standard connector
 - For attaching a TrachPhone in preparation for the permanent use of the speaking valve for patients with strong secretion
- Inner cannula with speaking valve for speaking without using fingers

Servoplast speaking valve



Product features

- Material: Silver
- Can be attached to an inner cannula with adapter
- With spacer

Note:

Not suitable for laryngectomised patients

Order information

Description	Unit	Order no.
Speaking valve	1	22160

Servoplast locking cap



Product features

- Material: plastic
- Can be attached to an inner cannula with adapter
- For use in the decannulation phase

Note:

Not suitable for laryngectomised patients .

Order information

Description	Unit	Order no.
Locking cap	1	22159

Servoplast 15 mm standard connector



Product features

- Material: plastic
- Can be attached to an inner tube with adapter
- For attaching a speaking valve or an artificial nose

Order information

Description	Unit	Order no.
Standard connector	1	22158

Servoplast HME adapter



Product features

- Material: plastic/silicone
- Can be attached to an inner tube with adapter
- For filters and tracheostomy valves with 22 mm outside diameter

Order information

Description	Unit	Order no.
HME adapter	1	22157

Servoplast outer cannula



Each Servoplast inner cannula is suitable for each Servoplast outer cannula of the same size.

Versions

- Sieved
- Unsieved

Order information

Description	Unit	Order no.
Outer cannula	1	22147-*
Outer cannula, sieved	1	22148-*

Servoplast inner cannula



Versions

- With spacer
 - For using an artificial nose
- With adapter
 - for attaching a speaking valve, locking cap, 15 mm standard connector, HME adapter (for tracheotomised patients)

Order information

Description	Unit	Order no.
IC with spacer	1	22149-*
IC with connector	1	22153-*
IC with adapter	1	22151-*

Servoplast inner cannula, fenestrated



Versions

- With 15 mm standard connector
 - For using a speaking valve or an artificial nose
- With adapter
 - Enables laryngectomised patients with voice prosthesis to speak by closing tracheostoma with their fingers
 - for laryngectomised patients 15 mm standard connector or HME adapter can be attached
 - For tracheotomised patients a Servoplast speaking valve or a locking cap can be attached
- With speaking valve
 - Enables tracheotomised patients with voice option to speak without using their fingers.
 - Note: Not suitable for laryngectomised patients
- With HME adapter
 - For filters and tracheostomy valves with 22 mm outside diameter

Order information

Description	Unit	Order no.
IC with connector, fenestrated	1	22152-*
IC with adapter, fenestrated	1	22150-*
IC with speaking valve, fenestrated	1	22155-*
IC with HME adapter, fenestrated	1	22156-*

* Please specify required size when you order!

SERVOX short silicone cannulas



Indications

- Intended for patients who are being weaned off the tracheal cannula
- During radiotherapy
- Sieved cannula for laryngectomised patients with a voice prosthesis to optimal use a tracheostoma for phonation

Product features



- Material: silicone, latex free
- The short form minimises the risk of injury or irritation of the trachea
- Without inner cannula
- Sieved and unsieved versions
- Cylindrical
- Soft, flexible material minimises the risk of decubital necrosis
- Radioparent
- Transparent

Supply contents

1 short silicone cannula ,
1 tracheostomy tube
card

Order information

Size	Dimensions (mm)			Order no.	
	ED	ID	Length	unsieved	sieved
8	12	9,5	22	22144-8/22	-
			32	22144-8/32	22145-8/32
			44	22144-8/44	22145-8/44
			62	22144-8/62	22145-8/62
9	13,5	10,5	22	22144-9/22	-
			32	22144-9/32	22145-9/32
			44	22144-9/44	22145-9/44
			62	22144-9/62	22145-9/62
10	15,0	12,0	22	22144-10/22	-
			32	22144-10/32	22145-10/32
			44	22144-10/44	22145-10/44
			62	22144-10/62	22145-10/62
12	17,0	13,5	22	22144-12/22	-
			32	22144-12/32	22145-12/32
			44	22144-12/44	22145-12/44
			62	22144-12/62	22145-12/62

ED: External diameter of the cannula

ID: Internal diameter of the lumen

Length: from cannula shield to tip of cannula along the outside bend



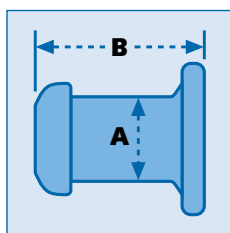
Indications

- Intended for patients who are being weaned off the tracheal cannula, who only still require a cannula for stabilisation of their tracheostoma.
- During radiotherapy

Product features



- Material: silicone, latex free
- Fixation is not with neck strap, but through dorsal rim in the trachea
- The short form minimises the risk of injury or irritation of the trachea
- Easy and simple fitting
- Cylindrical
- Soft, flexible material
- Radioparent
- Makes it easier for laryngectomised patients with a voice prosthesis to block off the tracheostoma for phonation



Supply contents

1 SERVOX Stoma Button,
1 tracheostomy tube card

Order information

Size	Dimensions (mm)			Order no.
	ED (A)	ID	Length (B)	
8	12,0	9,5	22	22143-8
9	13,5	10,5	22	22143-9
10	15,0	12,0	22	22143-10
10 kurz	15,0	12,0	15	22143-10kurz
12	17,0	14,0	22	22143-12

ED: External diameter of cannula (A)
ID: Internal diameter of lumen
Length: Total (B)

Cannula cleaning

Cannula cleaning powder



Product features

- Powerful cleaning
- Tested for skin tolerance
- Non-abrasive
- Environmentally friendly
- Content: 400 g

Order information

Description	unit	Order no.
Cannula cleaning powder	1	10216

Cannula cleaning box



Product features

- For cleaning tracheal cannulas
- With special sieve insert for secretion discharge
- With safety closure

Order information

Description	Unit	Order no.
Cannula cleaning box	1	11164

Cannula disinfection powder



Product features

- Specially developed for the disinfection of plastic cannulas
- Active ingredients: active oxygen – no aldehydes and phenols
- Environmentally friendly, no fumes and biodegradable
- Scope of delivery: 200 g

Order information

Description	Unit	Order no.
Cannula disinfection powder	1	11166

Silver Dip



Product features

- Removes tarnish
- Content: 375 ml

Order information

Description	Unit	Order no.
Silver Dip	1	11155

Cannula cleaning brushes



Product features

- Reliable and gentle cleaning of secretion from tracheal cannulas
- With fleece head for optimum cannula cleaning and protection
- Plastic handle guarantees ease of handling and hygiene for daily use
- Replace cleaning brush at regular intervals for hygienic reasons
- Available in four different sizes
- Mixed: each contains 1 brush in sizes 6 - 12

Order information

Description	Size	Unit	Order no.
Cannula cleaning brush	6	4	22443-6
Cannula cleaning brush	8	4	22443-8
Cannula cleaning brush	10	4	22443-10
Cannula cleaning brush	12	4	22443-12
Cannula cleaning brush, mixed	Mixed	1	22443-Mixed

A practical tip:

- Before using please bend the cleaning brush according the form of cannula
- Start to clean from the tip of cannula
- Cleaning brushes are hygienic items; change it regularly

Stoma-Clean cleaning tissues



Product features

- Cleaning wipes to gently clean skin of secretions, dirt and adhesive residues
- For skin care when using stoma articles
- No skin irritation from alcohol
- Dermatologically tested, pH neutral
- Cleaning fleece made of 100% rayon
- Practical dispenser with 60 Stoma-Clean wipes for single use
- Available as a travel set with 10 individual hygienically packaged wipes for on the go

Order information

Description	Design	Unit	Order no.
Stoma-Clean tissues	Container	1 x 60	15049
Stoma-Clean tissues	Individually packaged	10 x 1	15048

Stoma oil



Product features

- Makes inserting tracheal cannulas easier
- Non-irritating, medically/scientifically tested
- Increases the gliding properties of plastic inner cannulas
- Made of Medium-Chain Triglycerides (MCT)
- Dripping insert cap for specific and economical dispensing
- Scope of delivery: 100 ml

Order information

Description	Content	Unit	Order no.
Stoma oil	100 ml	1	12345



Silicone spray



Product features

- Lubricant for inner cannulas of plastic and silver tracheal cannulas
- Prevents sticking
- Practical and hygienic use for medical application above all
- In a practical aerosol
- Not suitable for medical devices made of silicone
- Scope of delivery: 500 ml

Order information

Description	Content	Unit	Order no.
Silicone spray	500 ml	1	11156

Tracheal Compresses

Tracheal compresses AL

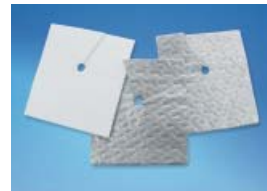


Product features

- For tracheostomy tube wearers
- Serves the purpose of cushioning the cannula and absorbing secretions
- Better cleanliness and hygiene
- Made from soft and absorbent material
- Smooth aluminized back prevents sticking to the skin
- Punched holes for a more secure fit
- Also available with slit for easy change of compress in between
- Colour: white/silver
- Size: 80 x 100 mm and 65 x 70 mm

Order information

Version	Size (mm)	Unit	Order no.
Standard	80 x 100	10	17155
with slit	80 x 100	10	17178
mini	65 x 70	10	18008
mini with slit	65 x 70	10	18007



Tracheal compresses AL mini with slit

Double Tracheal Compresses AL



Product features

- For cannula wearers who produce large amounts of secretion
- Made from two layers of soft, non-pilling and highly absorbent material
- Laterally connected with quilted seam
- Smooth aluminized back prevents sticking to the skin
- The rounded shape conforms well to the anatomy
- Punched holes for a more secure fit
- Also available with slit for easy change of compress in between
- Colour: white/silver
- Size: 90 x 100 mm and 90 x 150 mm

Order information

Version	Size (mm)	Unit	Order no.
Standard	90 x 100	10	11144
with slit	90 x 100	10	14759
with slit, long	90 x 150	10	19162



Double Tracheal Compresses AL with slit



Double Tracheal Compresses AL with slit, long



Double Tracheal Compresses



Product features

- For cannula wearers with strong secretion and for patients allergic to aluminium
- Produced in the same high quality material and shape as the Double Tracheal Compress AL, but without the aluminized layer
- Also available with slit for easy change of compress in between
- Colour: white
- Size: 90 x 100 mm and 90 x 150 mm

Order information

Version	Size (mm)	Unit	Order no.
Standard	90 x 100	10	10211
with slit	90 x 100	10	14333
Standard long	90 x 150	10	19302
with slit, long	90 x 150	10	18988

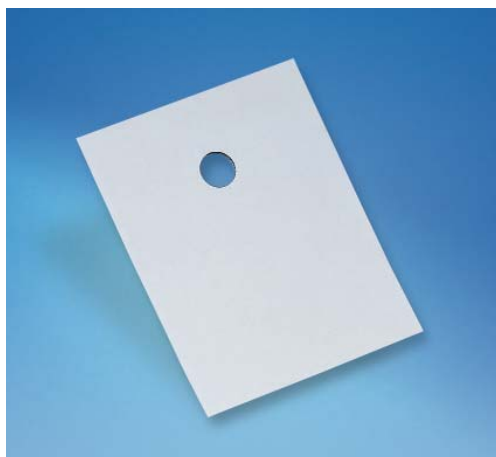


Double Tracheal Compresses with slit



Double Tracheal Compresses with slit, long

Billroth bibs



Product features

- Prevents the tracheal compress from being soaked when the secretion is particularly strong
- Made from white, washable material
- Punched holes for a more secure fit and for passing through the cannula
- To be used with the tracheal compress AL, double tracheal compress AL and double tracheal compress.
- Colour: white
- Size: 80 x 100 mm

Order information

Description	Size (mm)	Unit	Order no.
Billroth bibs	80 x 100	10	11152

Tracheal Compresses

Combi Tracheal Compresses AL



Product features

- For cannula wearers with strong secretion
- Combination of the double tracheal compress AL and the Billroth bib
- Two layers of soft, absorbent and non-spilling material
- The side which lies against the skin has a special, washable layer, impermeable to moisture, which prevents the underlying layers from being soaked
- The aluminized layer prevents sticking to the skin
- The rounded form conforms well to the anatomy
- Punched holes for a secure fit
- Also available with slit for easy change of compress in between
- Colour: white/silver and skin-coloured/silver
- Size: 90 x 100 mm and 90 x 150 mm

Order information

Version	Size (mm)	Unit	Order no.
Standard white	90 x 100	10	15262
Standard skin-coloured	90 x 100	10	19608
with slit white	90 x 100	10	15302
with slit white, long	90 x 150	10	19164



Combi Tracheal Compresses AL with slit



Combi Tracheal Compresses AL with slit, long

Combi Tracheal Compresses



Product features

- For cannula wearers with strong secretion and for patients allergic to aluminium
- Produced in the same high quality material and shape as the Double Tracheal Compress AL, but without the aluminized layer
- Also available with slit for easy change of compress in between
- Colour: white/white
- Size: 90 x 100 mm and 90 x 150 mm

Order information

Version	Size (mm)	Unit	Order no.
Standard	90 x 100	10	15261
with slit	90 x 100	10	15309
with slit, long	90 x 150	10	19163



Combi Tracheal Compresses with slit



Combi Tracheal Compresses with slit, long



Tracheofix *with hole*



Product features

- For cannula wearers with minor secretion
- Ideal for use as lining and overall cushioning of the cannula
- Can be used alternatively to the tracheal compress
- Made from proven air-permeable foam material
- Sufficiently moisture absorbent
- Prevents skin irritation
- Colour: skin-coloured
- Size: 70 x 70 mm



Order information

Description	Size (mm)	Unit	Order no.
Tracheofix <i>with hole</i>	70 x 70	10	14115

Tracheostomy tube straps, one-part



Product features

- White colour or skin-coloured
- With narrow or wide PVC clamps
- Elastic and adjustable
- Suitable for neck width from 23 cm to 43 cm
- Radiable

Order information

Version	Farbe	Unit	Order no.
with wide clamps	white	1	22444_white
with wide clamps	skin-coloured	1	22444_skin-coloured
with narrow clamps	white	1	22445_white
with narrow clamps	skin-coloured	1	22445_skin-coloured



Tracheostomy tube straps, two-parts



Product features

- Especially for short silicone tubes
- White colour or skin-coloured
- With velcro fastener for attaching to the tracheostomy tube
- Two-parts, with PVC clamps
- Elastic and adjustable
- Suitable for neck width from 30 cm to 40 cm

Order information

Version	Farbe	Unit	Order no.
two-parts	white	1	11122
two-parts	skin-coloured	1	13035

Larynx protection collection



Larynx protection bibs



Larynx protection neckerchiefs

In our Larynx protection collection you find bibs, neckerchiefs, scarfs, rollis, rollis shirt style and rollis shirt style with zipper.

Product features

- Protects the entire respiratory tract from drying out, dirt and the cold
- Visual coverage
- With diolene tulle filter
- Suitable for different neck size
- Available in different classic and modern designs and colours

Order information

Product	Fastening	Colour	Order no.
Bibs	velcro or clip	different	19472-* (3 fabric layers)
			19469-* (4 fabric layers)
			19470-* (8 fabric layers)
			19471-* (12 fabric layers)
Neckerchiefs	velcro	different	19463-*
Scarfs	-	different	19465-*
Rollis	velcro	different	22480-* fine
			22482-* rough
Rollis shirt style	-	different	19467-*
			19468-* (with zipper)



Larynx protection scarfs



Larynx protection rollis



Larynx protection rollis shirt style with zipper



Larynx protection rollis shirt style



In our Tracheostoma protection collection we offer also bibs and neckerchiefs **for children**. Children protection bibs are available in white, skin-coloured and deep blue colours with 3, 4 and 8 fabric layers (order no. 19475-*, 19473-* and 19474-*). Children protection neckerchiefs are available in 7 different designs and 4 unicolours (order no. 19464-*).



Tracheofix



Product features

- Inconspicuous tracheostoma protection for all patients who do not wear a cannula
- Guarantees optimal filtering and moistening of the inspired air
- Fine pored material reliably prevents the penetration of dirt particles
- Can be attached over the tracheostoma with an adhesive strip gentle to the skin
- Change at least once a day or more frequently if necessary
- Colour: white and skin-coloured
- Size: 38 x 63 mm, 55 x 60 mm and 70 x 70 mm
- For single use

Order information

Model	Colour	Size (mm)	Unit	Order no.
Tracheofix	white	55 x 60	10	11326
Tracheofix	white	70 x 70	10	11327
Tracheofix	skin-coloured	55 x 60	10	11328
Tracheofix	skin-coloured	70 x 70	10	11329
Tracheofix <i>mini</i>	skin-coloured	38 x 63	10	16582



Tracheofix *mini*

Tracheofix *plus*



Product features

- Developed from the Tracheofix
- Improved sealing properties by adhesive strip on lower edge as well as on upper edge
- Recommended for all activities, where the patient is increasingly exposed to dirt particles (garden work, housework)
- Protects the respiratory opening even more effectively
- The lower adhesive strip can be pulled off and reattached several times, thus enabling an easy and quick coughing-up
- Change at least once a day, or more frequently if necessary
- Colour: ivory and skin-coloured
- Size: 55 x 60 mm and 70 x 70 mm
- For single use

Order information

Model	Colour	Size (mm)	Unit	Order no.
Tracheofix <i>plus</i>	skin-coloured	55 x 60	10	16583
Tracheofix <i>plus</i>	skin-coloured	70 x 70	10	14116
Tracheofix <i>plus</i>	ivory	70 x 70	10	14655

Servosan



Product features

- Complete enteral or liquid nutrition with dietary fibre
- Suitable for long-term nutrition
- Promotes intestinal function and intestinal flora
- For the regulation of digestion and the prevention of diarrhoea and obstinate constipation
- Gluten-free and tasteless
- User-friendly soft pack with pleated bottom
- Easy to handle, no risk of breakage

Types

Standard:

- normocaloric (100 kcal per 100 ml)
- high fibre (1.5 g per 100 ml)

Energy:

- rich in Omega-3 fatty acids
- high-caloric (151 kcal per 100 ml)
- high fibre (2 g per 100 ml)

Order information

Description	Type	Unit	Order no.
Servosan	Standard	15 x 500 ml bags	21892
Servosan	Energy	15 x 500 ml bags	21893

Servoflex nutrition P transfer system



Product features

- Transfer device with spike and universal adapter for enteral nutrition in bags and bottles with pump segment and hanger
- Establishes the connection between the food container (bottle, container, bag) and the special feeding tube

Order information

Description	Unit	Order no.
Servoflex nutrition P	1	22350

Servosan® enteral nutrition pump



The use of a transfer system for enteral nutrition is indicated for patients, for whom the adequate intake of food orally is not possible for medical reasons (e.g. difficulties in swallowing) and any options of adequate oral intake in terms of causative treatment are excluded.

The Servosan® enteral is a reliable, time-saving nutrition pump for the administration of enteral nutrition exclusively.

The pump is easy to program and many functions can be enabled with a single button.

Product features

- Total volume logging
- Clear, large segmented display
- The delete button can be used to clear all readouts by pressing the button for a few seconds – with the exception of the total volume.
- The user is alerted when the battery is low, the container is empty or the tube is blocked. The user is also notified when the required dose has been delivered or the delivery rate of the enteral nutrition is too high.
- The smooth plastic housing is easy to clean with a lint-free towel moistened with drinking water.
- The electronic memory is not cleared in the case of power failure or when the unit is switched off, ensuring that the preset data and quantities already administered are not lost.
- Please observe the instructions for use.

Order information

Description	Unit	Order no.
Servosan® enteral nutrition pump	1	22768

Technical data

Device type:	Enteral nutrition pump
Working principle:	Roller pump
Delivery rate:	5 – 295 ml/h, 1 ml increments
Delivery quantity:	Pre-selected volume adjustable from 1 – 2000 ml in 1 ml increments and 2000 – 9995 ml in 5 ml increments
Delivery accuracy:	Deviation max +/- 10 % of selected delivery rate
Occlusion pressure:	Cut-off overpressure max. 1 bar (1.013 x 10 ⁵ Pa)
Dimensions:	H x W x D (cm) = 19,0 x 22,9 x 13,2
Weight:	2,3 kg
Housing material:	Housing made of polycarbonate
Operating conditions:	+16 to +40°C, 10 to 90 % rel. humidity
Transport and storage:	-10 to +50°C, 10 to 90 % rel. humidity
Battery:	1,2 Ah, gas-tight, lead acid charge time 10 hrs (for complete charge)
Operating time:	6 hrs at 125 ml/h
Power supply:	220 – 240 V~, 50 Hz ± 5 %, 12 VA
Protection/classification:	Protection class II (emergency power switching)
Humidity protection:	acc. IEC 60529: IP 41
Electrical safety:	Device meets IEC 60601-1, IEC 60601-1-4 requirements
Disposal:	By the manufacturer according to the German Electrical and Electronic Equipment Act

Index

A

- Accessory Servoplast inner cannula with adapter 24
- Artificial Noses Servomex 17

B

- Billroth bibs 31
- Breathing bag 19

C

- Cannula cleaning 28
- Cannula cleaning box 28
- Cannula cleaning brushes 28
- Cannula cleaning powder 28
- Cannula disinfection powder 28
- Car adapter 9
- Combi Tracheal Compresses 32
- Combi Tracheal Compresses *AL* 32

D

- Double Tracheal Compresses 31
- Double Tracheal Compresses *AL* 30

E

- Enteral nutrition Servosan 36-37

F

- Flash medical alert 19
- For the emergency 18
- For the emergency 19

L

- Larynx protection collection 34

M

- Medi-Vac® 11

N

- Nose and smell hose 16

P

- PC data transfer set 8
- Proven SERVOX quality 5

S

- Servodrop *MS* 14
- Servodrop *US* ultrasonic nebuliser 15
- Servoflex nutrition P transfer system 36
- Servomex Artificial Noses 17

- Servoplast 15 mm standard connector 24
- Servoplast HME adapter 24
- Servoplast inner cannula 25
- Servoplast inner cannula, fenestrated 25
- Servoplast locking cap 24
- Servoplast outer cannula 25
- Servoplast speaking valve 24
- Servoplast Version 1 21
- Servoplast Version 2 21
- Servoplast Version 3 21
- Servoplast Version 4 22
- Servoplast Version 5 22
- Servoplast Version 6 23
- Servoplast Version 7 23
- Servoport *HF* 12
- Servosan enteral nutrition pump 37
- SERVOX history 4
- SERVOX Mediport 3000 *mobil* 10-11
- SERVOX respiratory mask 18
- SERVOX short silicone cannulas 26
- SERVOX shower protector 17
- SERVOX Stoma Button 27
- SERVOX suction catheter 13
- SERVOX Tracheostoma set 18
- Shower protector 17
- Silicone spray 29
- Silver Dip 28
- Speech aid SERVOX® *digital* 6-9
- Stoma cleaning 29
- Stoma oil 29
- Stoma-Clean cleaning tissues 29
- Supporting readings 8

T

- Therapy units 16
- Tracheal Compresses 30-32
- Tracheal compresses *AL* 30
- Tracheofix 35
- Tracheofix *plus* 35
- Tracheofix with hole 33
- Tracheostomy tube straps 33
- Tracheostomy tubes Servoplast 20-24

U

- USB cable 9

W

- Water therapy unit 16



Tracheotomy/ Laryngectomy

Tracheostoma is an opening of the trachea surgically created outwards. There are various reasons why this intervention may be necessary, for example, removal of the larynx (laryngectomy) due to tumours. There is a wide variety of tracheal cannulas and accessories available to best care for a tracheotomised patient. The SERVOX team can look back on many years experience of successfully caring for, supporting and training tracheotomised and laryngectomised patients.



Enteral Nutrition

Enteral nutrition is required if a patient cannot, may not or does not want to eat or eat sufficiently. If such cases are left untreated, they often lead to malnutrition. The results of untreated malnutrition are wide-ranging, for example increased risk of pressure sores, weakening of the immune system and delay in recovery. Through working in co-operation with all well-known manufacturers for fluid and tube feeding products, it is possible for us to promptly provide the required nutrition for treatment and the medical aids that go with this.



Enterostoma

A decisive factor in the quality of life for stoma patients is the quality of the advice and care that they receive. For optimal care, we provide a multitude of products from various manufacturers. As a result of our longstanding experience in this area, our specialised staff are available to assist you in a competent, sensitive and advisory capacity.



Wound management

An increasing number of people suffer from acute and chronic wounds. The term wound management, for us, means the best care for patients with a chronic wound (e.g. decubitus, crural ulcer, diabetic foot). This care always takes place in co-operation with the patient, the treating doctor and nursing staff. Effective treatment is ensured through this close co-operation, regular monitoring and documentation of the condition of the wound. Our specialised staff advise product neutrally on the choice of necessary products for modern wound therapy.



Incontinence

Incontinence is the loss of the ability to securely store and excrete urine and/or faeces. In order to be able to satisfy your requirements and enable you to have a trouble-free and active life under your circumstances, professional, sensitive and cost-effective advice and care is important. Young and old, mobile and bed-ridden, able and wheelchair-bound people all have different optimal supply requirements. A multitude of aids from various manufacturers are available for your needs.





SERVVOX is your reliable partner in the following medical fields



tracheostomy | laryngectomy



artificial respiration



enteral nutrition



wound management



enterostoma



incontinence



rehabilitation aids



neonates and infants



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