FULL LINE CATALOGUE
2009/2010

TRACHEOSTOMY PRODUCTS

LARYNGECTOMY PRODUCTS

CLINICAL INSTRUMENTS

ACCESSORIES

INFORMATION
**Group Dynamics**

We can point to five decades of competence in tracheostomy products – and in the last five years, to more innovations than any other producer serving this market.

**Our Offering Today**

Nine families of tracheostomy tubes and related products such as percutaneous dilation tracheostomy sets, voice prostheses, precision instruments and accessories.
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Production

Since its establishment, TRACOE medical has always developed and produced all of its own tracheostomy tubes. Therefore the standard of quality is constantly optimized and a steady stream of new, even better solutions for special applications is created.

Management

Prof. Dr. med. Franz Waldeck
(Development and Production),
Stephan Köhler (Administration, Marketing and Sales).
COMPETENCE IN TRACHEOSTOMY

Five Decades of Expertise

TRACOE medical is your competent partner in the highly specialised field of tracheostomy and laryngectomy – for both physicians and patients. Special requirements call for special solutions, which is why TRACOE medical offers a complete product line consisting of various product families which complement one another. They start with percutaneous sets for performing dilation tracheostomy, include an assortment of tracheostomy tubes, and extend to items for postoperative care and rehabilitation. TRACOE medical also offers products to support proper functioning of the tubes, mainly for use in hospitals and nursing homes. Tracheostomy accessories, made to harmonise precisely with other TRACOE products, help hospitals and homecare facilities to keep their costs under control while supporting patients in using, cleaning and properly caring for their tracheostomy tubes.

All tracheostomy tubes are developed by TRACOE medical, as they have the know-how for innovations to form and then to be turned into practice-orientated products.

Certified Quality

TRACOE medical’s products are CE-certified. This documents the fact that they are developed, manufactured and tested in compliance with legal requirements and the basic stipulations of the EC Directive on Medical Products 93/42/EEC (Annex 1). This certification is regularly renewed on the basis of audits by a Notified Body. QM certification has also been obtained to show that TRACOE medical has implemented an effective quality management system which conforms to DIN EN ISO 13485:2003. All of TRACOE medical’s staff are integrated in this quality system to ensure a consistently high level of quality for all TRACOE products.

In close consultation with the customers new products are developed, product variants – within technical possibilities – are produced and the existing products are improved. Thus the high standard of quality is further optimized.

TRACOE products meet the requirements of the most demanding applications and comply with all relevant national and international guidelines and standards. They are registered and approved in many countries worldwide, including the United States (US21CFR 820-FDA) Canada (CanMDR) and Japan (JGMP).
THE TRACOE PROGRAMME

From Hospitals to the Care of Permanent Wearers

TRACOE mini
Tracheostomy Tubes
Designed to meet the special requirements of neonates and children.
Page 38

TRACOE percutan experc
Sets for percutaneous tracheostomy.
Page 8

TRACOE pure
Tracheostomy Tubes
The economical version for short-term use.
Page 20

TRACOE vario
Tracheostomy Tubes
With variably adjustable neck flange – for inpatient use.
Page 24

TRACOE twist
Tracheostomy Tubes
Made of tissue-friendly polyurethane; for use in hospitals and during rehabilitation.
Page 30
Information for Patients
Useful information about TRACOE tubes and daily care of them.
Page 84

Information for Distributors
Information for distributors, contact information, how to place orders, sales support, etc.
Page 86

TRACOE care
Accessories
For ongoing care as well as product maintenance and cleaning.
Page 68

TRACOE larynx
Voice prostheses and accessories, stoma buttons, adhesive carriers, speaking valves and HMEs for laryngectomized patients.
Page 58

TRACOE technic
Medical Technology
Precision medical instruments for tubes with low pressure cuff and endotracheal tubes.
Page 54

TRACOE comfort
Tracheostomy Tubes
Made of medical grade, clear polymer material; as therapy tube for long-term use and during rehabilitation.
Page 42
Intensive Care

Complete sets for percutaneous dilation tracheostomy. Innovation:
The atraumatic inserter and the atraumatic insertion system – a soft silicone sleeve smoothes the gap between inserter and end of the tube.
A Proven Technique

Percutaneous dilation tracheostomy (PDT) has established itself as a standard procedure in intensive medicine. The Ciaglia technique is the one most widely used. The TRACOE experc system is based on this proven method, so there is no need to learn a new procedure. The sets are tailored to the use of fenestrated and unfenestrated TRACOE twist and unfenestrated TRACOE vario tubes.

The Innovation

How to slide the tube over the insertion instrument into the tracheostoma has always been a major challenge in PDT – one that has never been satisfactorily met. Until now: the TRACOE experc sets deliver the solution in form of the patented atraumatic inserter and the atraumatic insertion system. A soft silicone sleeve at its tip smoothly bridges the gap in diameter between the inserter and the tube. This lets the tube be inserted safely and easily.

Option for Reinsertion

For difficult reinsertion situations, fenestrated and unfenestrated TRACOE twist as well as unfenestrated TRACOE vario tubes are available in all sizes (07, 08 and 09) – also individually and premounted on the atraumatic inserter.
TRACOE experc Set *twist*

**REF 320**  
*Set in sterile package*  
*See right column for package contents*  
❖ 1 TRACOE experc Dilatation Set (REF 520)  
❖ 1 TRACOE *twist* tracheostomy tube with low pressure cuff and atraumatic inserter (REF 301-P)

**REF 321**  
*Set in sterile package*  
*See right column for package contents*  
❖ 1 TRACOE experc Dilatation Set (REF 520)  
❖ 1 TRACOE *twist* tracheostomy tube, fenestrated, with low pressure cuff and atraumatic inserter (REF 302-P)

**REF 322**  
*Set in sterile package*  
*See right column for package contents*  
❖ 1 TRACOE experc Dilatation Set (REF 520)  
❖ 1 TRACOE *twist* tracheostomy tube with low pressure cuff, subglottic suction line and atraumatic inserter (REF 306-P)

**Package Contents per Set:**

1 TRACOE experc Dilatation Set  
**REF 520**  
*in sterile package (see Page 18)*  
❖ Scalpel  
❖ Syringe  
❖ Puncture needle (14 G) with Teflon catheter  
❖ Guide wire (kink resistant NiTiNol) with inserter  
❖ Short dilator 14 CH/FR  
❖ Guiding catheter with safety stop  
❖ TRACOE experc dilator with hydrophilic coating (slides easily after moistening)  
❖ 4 compresses

1 TRACOE *twist* Tracheostomy Tube with Atraumatic Inserter  
**REF 301-P**  
*in sterile package,*  
*unfenestrated (see Page 12)*

or **REF 302-P**  
*in sterile package,*  
*fenestrated (see Page 12)*

or **REF 306-P**  
*in sterile package,*  
*unfenestrated, with subglottic suction line (see Page 13)*
The Innovation:
The unique feature of the TRACOE experc Set twist is the atraumatic inserter for placing the tracheostomy tube. Its tip has a folding silicone sleeve that smoothly bridges over the gap in diameter between the inserter and the end of the tube (Fig. 1).

The inserter also excels with a precise fit into the tube and a stop at the level of the neck flange. Once the tube is in the trachea, the inserter is pulled out. In doing so the silicone sleeve flaps back to facilitate its easy removal (Fig. 2).

The Benefits:
- Dilation is performed using the proven Ciaglia technique.
- The atraumatic inserter smooths over the gap in diameter between the end of the tube and the inserter. This minimizes the risk of injury when inserting the tracheostomy tube into the trachea.
- The stop at the level of the neck flange prevents the inserter from being inserted too far into the tube, which additionally reduces the risk of lesions.
- The separately available tubes with inserter can also be used to reinsert into a percutaneously created tracheostoma and/or change tubes.

Ordering Information: REF 320, REF 321 and REF 322

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TRACOE twist Tracheostomy Tube, Unfenestrated, with Low Pressure Cuff and Atraumatic Inserter

**REF 301-P**
- In sterile package
- Outer cannula with cuff
- 2 inner cannulas with 15mm connector
- Atraumatic inserter
- Reinsertion tube
- Sterile lubricating gel
- Perforated Obturator and wide neck strap

TRACOE twist Tracheostomy Tube, Fenestrated, with Low Pressure Cuff and Atraumatic Inserter

**REF 302-P**
- In sterile package
- Outer cannula, fenestrated, with cuff
- Inner cannula with 15mm connector
- Inner cannula, fenestrated, with 15mm connector
- Occlusion cap
- Atraumatic inserter
- Reinsertion tube
- Sterile lubricating gel
- Perforated obturator and wide neck strap

TRACOE twist tubes REF 301-P, REF 302-P and REF 306-P as well as TRACOE experc Dilation Set (REF 520) are also available separately.

Each TRACOE twist tube is supplied with a perforated obturator and a wide adjustable neck strap. The neck strap is also available separately (REF 903-F).
**TRACOE twist Tracheostomy Tube, Unfenestrated, with Low Pressure Cuff, Suction Line and Atraumatic Inserter**

**REF 306-P**

In sterile package

- Outer cannula with cuff and subglottic suction line
- 2 inner cannulas with 15mm connector
- 2 connectors for suction devices
- Atraumatic inserter
- Reinsertion tube
- Sterile lubricating gel
- Perforated obturator and wide neck strap
  (shown on page 12)

**Reference Numbers and Measurements: REF 301-P, REF 302-P and REF 306-P**

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<th>③ OD-OC bf (mm)</th>
<th>Lengths (mm)</th>
<th>④ TL</th>
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<th>⑥ BA (°)</th>
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① ID-IC: inside diameter (clear width) at bottom of inner cannula; ② OD-OC bc: outside diameter at bottom of outer cannula; ③ OD-OC bf: outside diameter of outer cannula behind the flange; ④ Length TL: along centre line from start of neck flange to bottom of tube; ⑤ Length AB: length along outer bend from start of neck flange to bottom of tube; ⑥ BA: bending angle; ⑦ CD: cuff diameter

▶ To order, specify: REF + size (e.g. REF 301-P-07).

**REF 306-P, fenestrated:**

As a product variant REF 306-P is also available fenestrated.
TRACOE experc Set vario

**REF 420**  Set in sterile package
See right column for package contents
- 1 TRACOE experc Dilatation Set (REF 520)
- 1 TRACOE vario tracheostomy tube with low pressure cuff, spiral-reinforced, with adjustable neck flange and atraumatic insertion system (REF 450-P)

**REF 421**  Set in sterile package
See right column for package contents
- 1 TRACOE experc Dilatation Set (REF 520)
- 1 TRACOE vario XL tracheostomy tube with low pressure cuff, spiral-reinforced, with adjustable neck flange and atraumatic insertion system (REF 451-P)

**REF 423**  Set in sterile package
See right column for package contents
- 1 TRACOE experc Dilatation Set (REF 520)
- 1 TRACOE vario tracheostomy tube with low pressure cuff, adjustable neck flange and atraumatic insertion system (REF 460-P)

**Package Contents per Set:**

1 TRACOE experc Dilatation Set  
REF 520  in sterile package (see Page 18)
- Scalpel
- Syringe
- Puncture needle  
(14 G) with Teflon catheter
- Guide wire  
(kink resistant NiTiNol) with inserter
- Short dilator 14 CH/FR
- Guiding catheter with safety stop
- TRACOE experc dilator with hydrophilic coating  
(slides easily after moistening)
- 4 compresses

1 TRACOE vario Tracheostomy Tube  
REF 450-P  in sterile package, spiral-reinforced (see Page 16)  
or REF 451-P  in sterile package, extra-long, spiral-reinforced (see Page 16)  
or REF 460-P  in sterile package, not spiral-reinforced (see Page 17)
The Innovation:
The unique feature of the TRACOE experc Set vario is the atraumatic insertion system for placing the tracheostomy tube. The system consists of two parts: the guiding catheter with silicone sleeve and the inserter for stabilization and guidance of the tube. The silicone sleeve smoothly bridges over the gap in diameter between the inserter and the end of the tube thus minimizing the risk of injury when inserting the tracheostomy tube into the trachea (see Fig. 1).

The insertion system also excels with a precise fit into the tube and a stop at the level of the neck flange. Once the tube is in the trachea first the inserter is removed and only then the guiding catheter with silicone sleeve. By doing so the silicone sleeve flaps back and the guiding catheter can be removed easily. The Seldinger guide wire can be removed either prior or together with the guiding catheter (see Fig. 2).

The Benefits:
- Dilation is performed using the proven Ciaglia technique.
- The atraumatic insertion system smoothes over the gap in diameter between the end of the tube and the inserter. This minimizes the risk of injury when inserting the tracheostomy tube into the trachea.
- The stop at the level of the neck flange prevents the inserter from being inserted too far into the tube, which additionally reduces the risk of lesions.
- The separately available tubes with insertion system can also be used to reinsert into a percutaneously created tracheostoma and/or change tubes.

### Ordering Information: REF 420, REF 421 and REF 423

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TRACOE vario Tracheostomy Tube
with Low Pressure Cuff, Spiral-Reinforced,
with Adjustable Neck Flange and Atraumatic
Insertion System

REF 450-P
- Cannula with 15mm connector, spiral-reinforced,
  with cuff, scale and atraumatic insertion system
- Sterile lubricating gel
- Obturator and wide neck strap (shown on page 17)

TRACOE vario XL Tracheostomy Tube,
Extra-Long with Low Pressure Cuff,
Spiral-Reinforced, with Adjustable Neck Flange
and Atraumatic Insertion System

REF 451-P
- Cannula with 15mm connector, extra-long,
  spiral-reinforced, with cuff, scale and atraumatic
  insertion system
- Sterile lubricating gel
- Obturator and wide neck strap (shown on page 17)

Reference Numbers and Measurements: REF 451-P

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Reference Numbers and Measurements: REF 450-P and REF 460-P

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ID: inside diameter (clear width) at bottom of cannula; OD: outside diameter at bottom of cannula; TL: length along centre line; AB: length along outer bend; CD: cuff diameter; BA: bending angle

To order, specify REF + size (e.g. REF 450-P-07).

Products purchased may differ in appearance from the illustrations in this catalogue.
TRACOE vario Tracheostomy Tube with Low Pressure Cuff, Adjustable Neck Flange and Atraumatic Insertion System

**REF 460-P** *In sterile package*

- Cannula with 15mm connector, with cuff, X-ray contrast line, scale and atraumatic insertion system
- Sterile lubricating gel
- Obturator and wide neck strap (shown on page 17)

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TRACOE vario tubes REF 450-P, REF 460-P and REF 451-P as well as TRACOE experc Dilation Set (REF 520) are also available separately.

Each TRACOE vario tube is supplied with an obturator and a wide adjustable neck strap. The neck strap is also available separately (REF 903-F).
TRACOE experc Dilatation Set
for Percutaneous Tracheostomy

REF 520  In sterile package
- Scalpel
- Syringe
- Puncture needle (14 G) with Teflon catheter
- Guide wire (kink resistant NiTiNol) with inserter
- Short dilator 14 CH/FR
- Guiding catheter with safety stop
- TRACOE experc dilator with hydrophilic coating (slides easily after moistening)
- 4 compresses

The TRACOE experc Dilation Set can be supplemented with the tracheostomy tube which is best suited for the patient:
- For patients needing ventilation
  TRACOE vario tracheostomy tube, with low pressure cuff, spiral-reinforced, adjustable neck-flange and pre-mounted atraumatic insertion system (REF 450-P, refer to page 16)
- For patients with excessive soft tissue
  TRACOE vario XL tracheostomy tube, extra long, with low pressure cuff, spiral-reinforced, with adjustable neck-flange and pre-mounted atraumatic insertion system (REF 451-P, refer to page 16)
- For standard ventilation
  TRACOE vario tracheostomy tube, with low pressure cuff, adjustable neck-flange and pre-mounted atraumatic insertion system (REF 460-P, refer to page 17)
- For ventilation followed by rehabilitation
  TRACOE twist twist tracheostomy tube, unfenestrated, with low pressure cuff and pre-mounted atraumatic inserter (REF 301-P, refer to page 12)
- For ventilation followed by rehabilitation – as speaking tube
  TRACOE twist tracheostomy tube, fenestrated, with low pressure cuff and pre-mounted atraumatic inserter (REF 302-P, refer to page 12)
- For ventilation followed by rehabilitation – with subglottic suction line
  TRACOE twist tracheostomy tube, unfenestrated, with low pressure cuff, subglottic suction line and pre-mounted atraumatic inserter (REF 306-P, refer to page 13)

All TRACOE tracheostomy tubes for the percutaneous tracheostomy are available in size 07, 08 and 09.
Seldinger Guide Wire with Guiding Catheter

REF 517
- Seldinger guide wire
- Guiding catheter

Set in sterile package

Seldinger Guide Wire

REF 518
- Seldinger guide wire

Pack of 5, supplied in individual sterile packages

NEW!
A Clear Case:

The generation of tracheostomy tubes for all common clinical applications. Transparent design, four types of tubes, 11 different sizes in steps of 0.5 mm.
For All Applications

TRACOE pure is an advanced, innovative line of tubes for all standard inpatient applications. This product group of TRACOE top-quality tracheostomy tubes includes cuffed and uncuffed, fenestrated and unfenestrated models.

Large Range of Sizes

TRACOE pure tubes are supplied in a very wide range of finely staggered sizes, in steps of 0.5 mm. This permits selection of the right tube for a precise fit in any anatomical situation.

Proven TRACOE Specifications

TRACOE pure tracheostomy tubes also include many proven TRACOE specifications: e.g. the transparent design for easier detection of soiling or multiple fenestration to prevent lesions of the posterior tracheal wall when inserting the suction catheter.
Tracheostomy Tube with Low Pressure Cuff

REF 480
- Cannula with cuff
- Perforated obturator
- Wide neck strap

REF 485
- Cannula, fenestrated, with cuff
- Perforated obturator
- Wide neck strap

TRACOE pure Colour Coding:
- REF 480
- REF 485
- REF 490
- REF 495

The colour coding is conspicuously printed on each box. This helps you organise your inventory and quickly and reliably locate the right tube.

Accessory for TRACOE pure Tubes:
- Speaking valves and artificial noses (for details see page 72 und 73)
- REF 517, Seldinger guide wire with guiding catheter (for details see page 19)
- REF 518, Seldinger guide wire (for details see page 19)

Products purchased may differ in appearance from the illustrations in this catalogue.
Tracheostomy Tube

REF 490

- Cannula
- Perforated obturator
- Wide neck strap

Reference Numbers and Measurements: REF 480, REF 485, REF 490 and REF 495

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</table>

ID: inside diameter (clear width) at bottom of tube; OD: outside diameter at bottom of tube; TL: length along centre line; AB: length along outer bend; BA: bending angle; CD: cuff diameter (REF 480 and REF 485).

To order, specify: REF + size (e.g. REF 480-5.0).

Tracheostomy Tube, Fenestrated

REF 495

- Cannula, fenestrated
- Perforated obturator
- Wide neck strap

Reference Numbers and Measurements: REF 480, REF 485, REF 490 and REF 495
A Perfect Fit:

The soft, flexible tube with patented, variably adjustable neck flange.

It allows the correct adjustment in length with the pressure of your finger.
Patented

TRACOE vario – the soft, flexible tube with the patented, variably adjustable neck flange. By means of a practical pressure mechanism, the neck flange can be moved and, thus, be adjusted individually to any patient (a). This technique improves safety, since the flange is fixed immediately after its release. Since no screw top is used, no pressure of any kind will be exerted on the trachea. A scale ensures the exact positioning of the flange.

Variably Adjustable

There are also pliable wings on the flange that can be rotated independently of one another (b). This provides additional possibilities for meeting the unique anatomical requirements of each patient.

Anatomically Correct Adjustment

TRACOE vario comes in six different versions: reinforced with a metal spiral or made of clear, nonreinforced plastic (with an X-ray contrast line), and each of these two types is available with or without low pressure cuff. Tubes with special features are the extra-long TRACOE vario XL with metal spiral and low pressure cuff, and TRACOE vario extract in clear plastic, with low pressure cuff and subglottic suction line.
The colour coding is conspicuously printed on each box. This helps you organise your inventory and quickly and reliably locate the right tube.

Each TRACOE vario tube is supplied with an obturator and a wide adjustable neck strap. The neck strap is also available separately (REF 903-F).
Tracheostomy Tube with Low Pressure Cuff and Adjustable Neck Flange

**REF 460**  
- Cannula with 15 mm connector, with cuff, X-ray contrast line and scale  
- Obturator and wide neck strap (shown on page 26)

**REF 465**  
- Cannula with 15 mm connector, with X-ray contrast line and scale  
- Obturator and wide neck strap (shown on page 26)

### Reference Numbers and Measurements: REF 450, REF 455, REF 460 and REF 465

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<th>B</th>
<th>C</th>
<th>TL</th>
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① ID: inside diameter (clear width) at bottom of cannula; ② OD: outside diameter at bottom of cannula; ③ TL: length along centre line; ④ AB: length along outer bend; ⑤ CD: cuff diameter (REF 450 and REF 460); ⑥ BA: bending angle

To order, specify REF + size (e.g. REF 450-06).
**TRACOE vario extract**

**Tracheostomy Tube with Low Pressure Cuff, Suction Line and Adjustable Neck Flange**

**REF 470**  
In sterile package

- Cannula with 15mm connector, with cuff, X-ray contrast line, scale and subglottic suction line
- 2 connectors for suction pump
- Obturator and wide neck strap (shown on page 26)

**Reference Numbers and Measurements: REF 470**

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<td>32</td>
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</table>

- ID: inside diameter (clear width) at bottom of cannula; OD: outside diameter at bottom of cannula; TL: length along centre line; AB: length along outer bend; CD: cuff diameter; BA: bending angle

- Please refer to the figure on page 26.

- To order, specify REF + size (e.g. REF 470-07).

**REF 470: Advantages and Special Information**

- Accumulated subglottic secretions can be suctioned off at the lowest point, in other words right above the cuff. This reduces the risk of bacterially contaminated secretions entering the lower respiratory tract and the risk of developing aspiration pneumonia.
- The suction channel is integrated in the wall of the tube thus it will not exert any pressure. This prevents pressure necroses in the tracheostoma.
- The suction channel has an opening above the cuff, and is connected at the machine end to a suction tube. Via this tube, secretions can be suctioned off either intermittently with the aid of a syringe (Luer connector) or using one of the included connectors fitting with a suction pump.
- The variably adjustable neck flange with rotating wings permits universal adjustment to any neck anatomy (e.g. swollen necks, postoperative edema, asymmetrical necks).

Products purchased may differ in appearance from the illustrations in this catalogue.
TRACOE vario XL

Extra-Long Tracheostomy Tube with Low Pressure Cuff, Spiral-Reinforced, with Adjustable Neck Flange

REF 451 In sterile package

- Cannula with 15mm connector, spiral-reinforced, with cuff and scale
- Obturator and wide neck strap (shown on page 26)

Reference Numbers and Measurements: REF 451

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<td>38 52 45 135</td>
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</table>

- ID: inside diameter (clear width) at bottom of cannula; OD: outside diameter at bottom of cannula; TL: length along centre line; AB: length along outer bend; CD: cuff diameter; BA: bending angle
- Please refer to the figure on page 26.

To order, specify REF + size (e.g. REF 451-07).

i

Accessory for TRACOE vario Tubes:

- Speaking valves and artificial noses (for details see page 72 and 73)
- REF 517, Seldinger guide wire with guiding catheter (for details see page 19)
- REF 518, Seldinger guide wire (for details see page 19)

i

REF 450-P, REF 451-P and REF 460-P:

TRACOE vario tracheostomy tubes with atraumatic insertion system. For details refer to page 16 and 17.
**Increased Flexibility**

Originally developed for inpatient applications, but now also very often used during rehabilitation and by patients at home.

Nine tube models in various sizes, including four special versions, large range of replacement parts and accessories.
TRACOE twist

Tissue-Friendly

TRACOE twist tubes are made of tissue-friendly medical-grade polyurethane, so that they are well-tolerated by patients. They are radiopaque and come in sterile packages.

Maximum Mobility

The most outstanding feature of TRACOE twist is an anatomically shaped neck flange that moves around two axes: vertically and horizontally. This allows patients to turn their head and neck freely without the tube exerting pressure on the trachea. TRACOE twist tubes have thin walls, which ensure maximum air flow. The material of the low pressure cuff is thin and ensures optimal sealing of the trachea.

Maximum Cost-Effectiveness

TRACOE twist tubes were originally developed primarily for clinical use: for ENT surgery or for mechanical ventilation in intensive care. However, they are now very often used during rehabilitation and by patients at home. Your investment is enhanced by a broad range of replacement parts and accessories.
Tracheostomy Tube with Low Pressure Cuff

**REF 301**  In sterile package
- Outer cannula with cuff
- 2 inner cannulas with 15 mm connector
- Perforated obturator and wide neck strap

Fenestrated Tracheostomy Tube with Low Pressure Cuff

**REF 302**  In sterile package
- Outer cannula, fenestrated, with cuff
- Inner cannula with 15 mm connector
- Inner cannula, fenestrated, with 15 mm connector
- Occlusion cap for 15 mm connector
- Perforated obturator and wide neck strap

TRACOE twist Colour Coding:
- REF 301
- REF 302
- REF 303
- REF 304
- REF 305
- REF 306
- REF 307
- REF 308
- REF 309
- REF 401
- REF 501, REF 503, REF 506-REF 508, REF 516

The colour coding is conspicuously printed on each box. This helps you organise your inventory and quickly and reliably locate the right tube.

Each TRACOE twist tube is supplied with a perforated obturator and a wide adjustable neck strap. The neck strap is also available separately (REF 903-F).

Neck flange, blue writing: fenestrated outer cannula

Neck flange, green writing: unfenestrated outer cannula

REF 301-P, REF 302-P and REF 306-P: TRACOE twist tracheostomy tubes with atraumatic inserter. For details see page 10 to 13.

Products purchased may differ in appearance from the illustrations in this catalogue.
Tracheostomy Tube

REF 303  In sterile package
- Outer cannula
- 2 inner cannulas with 15mm connector
- Perforated obturator and wide neck strap
  (shown on page 32)

Fenestrated Tracheostomy Tube

REF 304  In sterile package
- Outer cannula, fenestrated
- Inner cannula with 15mm connector
- Inner cannula, fenestrated, with 15mm connector
- Occlusion cap for 15mm connector
- Perforated obturator and wide neck strap
  (shown on page 32)

Laryngectomy Tube

REF 305  In sterile package
- Outer cannula
- Inner cannula with 15mm connector
- Inner cannula with grooved low profile connector
- Perforated obturator and wide neck strap
  (shown on page 32)

Reference Numbers and Measurements: REF 305

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<th>OD-OC bf (mm)</th>
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1 ID-IC: inside diameter (clear width) at bottom of inner cannula; 2 OD-OC bc: outside diameter at bottom of outer cannula; 3 OD-OC bf: outside diameter of outer cannula behind the flange; 4 Length TL: along centre line from start of neck flange to bottom of tube; 5 Length AB: length along outer bend from start of neck flange to bottom of tube; 6 BA: bending angle

Please refer to the figure on page 34.

To order, specify: REF + size (e.g. REF 305-05).
**Tracheostomy Tube with Low Pressure Cuff**

*REF 306*  
*In sterile package*
- Outer cannula with cuff and subglottic suction line
- 2 inner cannulas with 15mm connector
- Perforated obturator and wide neck strap  
(shown on page 32)

*REF 307*  
*In sterile package*
- Outer cannula with cuff and oxygen supply line
- Inner cannula, specially perforated, with 15mm connector
- Perforated obturator and wide neck strap  
(shown on page 32)

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**REF 306, fenestrated:**
As a product variant REF 306 is also available fenestrated.

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Products purchased may differ in appearance from the illustrations in this catalogue.
Tracheostomy Tube with Oxygen Supply Line

**REF 308**
- Outer cannula with oxygen supply line
- Inner cannula, specially perforated, with 15 mm connector
- Perforated obturator and wide neck strap (shown on page 32)

Tracheostomy Tube with Low Pressure Cuff and Air Supply Line for Speaking

**REF 309**
- Outer cannula with cuff and air supply line for speaking
- Inner cannula with 15 mm connector
- Perforated obturator and wide neck strap (shown on page 32)

Reference Numbers and Measurements: REF 301-REF 304 and REF 306-REF 309

<table>
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1. ID-IC: inside diameter (clear width) at bottom of inner cannula; 2. OD-OC bc: outside diameter at bottom of outer cannula; 3. OD-OC bf: outside diameter of outer cannula behind the flange; 4. Length TL: along centre line from start of neck flange to bottom of tube; 5. Length AB: length along outer bend from start of neck flange to bottom of tube; 6. BA: bending angle; 7. CD: cuff diameter

To order, specify: REF + size (e.g. REF 301-04).
**Inner Cannulas, Fenestrated, with Integrated Speaking Valve (light blue)**

**REF 401**

2 units supplied in individual sterile packages

The inner cannulas are accessories for tubes REF 302 and REF 304.
Sizes: 04, 05, 06, 07, 08, 09, 10

---

**Spare Inner Cannulas, Unfenestrated, with 15 mm Connector**

**REF 501**

3 units supplied in individual sterile packages

The inner cannulas are spare parts for tubes REF 301, REF 302, REF 303, REF 304, REF 306 and REF 309.
Sizes: 04, 05, 06, 07, 08, 09, 10

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**Inner Cannulas, Fenestrated, with Grooved Low Profile Connector (light blue)**

**REF 502**

3 units supplied in individual sterile packages

The inner cannulas are accessories for tubes REF 302 and REF 304.
Sizes: 04, 05, 06, 07, 08, 09, 10

---

**Spare Inner Cannulas, Unfenestrated, with 15 mm Connector**

**REF 503**

3 units supplied in individual sterile packages

The inner cannulas are spare parts for tube REF 305.
Sizes: 05, 06, 07, 08, 09, 10

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**Accessory for TRACOE twist Tubes:**

- Speaking valves and artificial noses
  (for details see page 72 and 73)
- REF 517, Seldinger guide wire with guiding catheter (for details see page 19)
- REF 518, Seldinger guide wire (for details see page 19)

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**All 15 mm connectors, grooved low profile connectors or integrated speaking valves of fenestrated inner cannulas are light blue.**
**Spare Inner Cannulas, Fenestrated, with 15 mm Connector (light blue)**

**REF 506**
3 units supplied in individual sterile packages
The inner cannulas are spare parts for tubes REF 302 and REF 304.
Sizes: 04, 05, 06, 07, 08, 09, 10

**Inner Cannulas, Unfenestrated, with Grooved Low Profile Connector (white)**

**REF 507**
3 units supplied in individual sterile packages
The inner cannulas are accessories for tube REF 303.
Sizes: 04, 05, 06, 07, 08, 09, 10

**Spare Inner Cannulas, Unfenestrated, Short, with Grooved Low Profile Connector (white)**

**REF 508**
3 units supplied in individual sterile packages
The inner cannulas are spare parts for tube REF 305.
Sizes: 05, 06, 07, 08, 09, 10

**Occlusion Caps for 15 mm Connectors (blue)**

**REF 516**
5 units supplied in individual sterile packages
Occlusion caps for fenestrated tubes with 15 mm connector.
Small in Size,  
Big in Performance: 
TRACOE mini.
The special tube for 
neonates and 
children.  
Extremely soft, 
extremely thin-walled, 
extremely practical.
The Smaller, the Greater

Sometimes the greatest achievements are made on a small scale: A prime example is the TRACOE mini – the product line especially developed for newborns, infants and children. TRACOE mini tracheostomy tubes are particularly soft and equipped with a neck flange with a slanted bottom, providing the tube with an optimised and atraumatic fit. These tubes have very thin walls to meet the special requirements of use in small patients, however, they reliably retain their shape at all times. The smooth, funnel-shaped inner design of the 15mm connector allows an easy insertion of suction catheters.

Easy and Reliable

The special obturator is extremely practical. The grip on its end makes sure that the tube can be easily and reliably inserted despite its small size. Neck straps and compresses are also available to match.

Anatomically Optimum Solutions

So the best solution can be found for every small patient. TRACOE mini is available in 12 different sizes: 4 for neonates and 8 for pediatric use.
Tracheostomy Tube for Neonates

REF 350  In sterile package
- Cannula
- Obturator and neck strap

Tracheostomy Tube for Neonates

Reference Numbers and Measurements: REF 350

<table>
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ID: inside diameter (clear width) of tube; OD: outside diameter of tube; TL: length along centre line from start of neck flange to bottom of tube; AB: length along outer bend from start of neck flange to bottom of tube; BA: bending angle

To order, specify REF + size (e.g. REF 350-2.5).

TRACOE mini Colour Coding:
- REF 350  REF 355

The colour coding is conspicuously printed on each box. This helps you organise your inventory and quickly and reliably locate the right tube.

Each TRACOE mini tube is supplied with an obturator and a wide adjustable neck strap. The neck strap is also available separately (REF 903-G).

Special accessories for TRACOE mini, such as neck strap and compresses, can be found on pages 74 and 81 as part of the TRACOE care line of accessories.

Products purchased may differ in appearance from the illustrations in this catalogue.
Tracheostomy Tube for Children

**REF 355**

*In sterile package*

- Cannula
- Obturator and neck strap (shown on page 40)

**Product variants REF 355:**

Product variants can be made in order to optimize the functionality and wearing comfort and also for patients with complex anatomical and physiological conditions. Product variations have green writing on the neck flange.

**Reference Numbers and Measurements: REF 355**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID (mm)</th>
<th>OD (mm)</th>
<th>Lengths (mm)</th>
<th>BA (°)</th>
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</tbody>
</table>

1. ID: inside diameter (clear width) of tube; 2. OD: outside diameter of tube; 3. TL: length along centre line from start of neck flange to bottom of tube; 4. AB: length along outer bend from start of neck flange to bottom of tube; 5. BA: bending angle

To order, specify REF + size (e.g. REF 355-2.5).
Superb Quality

TRACOE comfort:

Tradition and five decades of continual improvements.

Especially soft and flexible to maximize wearing comfort.

Large selection of types and sizes, including tube variants on request.
Lightweight, Soft and Flexible

TRACOE comfort tracheostomy tubes are made of clear medical-grade polymer material, which makes them both especially soft and very lightweight. They do not have to be removed for X-ray or cobalt therapy. A TRACOE comfort tube weighs only about one-third of a silver tube of the same size. Because they are transparent, it is also very easy to ensure that they are perfectly clean.

As Comfortable as Possible

As the name suggests, TRACOE comfort tubes are designed to be as comfortable as possible for permanent wearers after tracheostomy or laryngectomy. Their discreet appearance is an added benefit. To ensure optimum quality, they are still made by hand – an extra effort that does a world of good to the patient.

Many Models and Sizes

Every tube model comes in many different sizes and lengths, therefore you will always find a tracheostomy tube that fits perfectly.
**TRACOE comfort – Tracheostomy Tubes**

---

**REF 101**

**Tube without Inner Cannula**

- **REF 101**
  - Cannula
  - Wide neck strap (shown on page 46)

For acute tracheostomy and emergency care applications.

---

**REF 102**

**Tube with Inner Cannula**

- **REF 102**
  - Outer cannula
  - One inner cannula
  - Wide neck strap (shown on page 46)

For permanent wearers.

---

**Tubes of size 03, 04, 13 and 14 are made to order. Delivery time is approx. 10 working days.**

---

**Reference Numbers and Measurements: REF 101-REF 105, REF 114, REF 115**

<table>
<thead>
<tr>
<th>Size</th>
<th>ID-OC (mm)</th>
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<th>Length AB</th>
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</tbody>
</table>

- **1 ID-OC**: inside diameter (clear width) at bottom of outer cannula; **2 OD-OC bc**: outside diameter at bottom of outer cannula; **3 OD-OC bf**: outside diameter of outer cannula behind the flange; **4 ID-IC**: inside diameter at bottom of inner cannula; **5 TL**: length along centre line from start of neck flange to bottom of tube; **6 Length AB**: length along outer bend (greatest length)

- The bending angle is 90° in all comfort tubes.

To order, specify: REF + size (e.g. REF 105-05).
**Tube with Inner Cannulas**

**REF 102-D**
- Outer cannula
- Two inner cannulas
- Wide neck strap (shown on page 46)
For permanent wearers.

**Speaking Tube, Type A**

**REF 103**
- Outer cannula
- Inner cannula with slide-on silver valve type A
- Inner cannula
- Wide neck strap (shown on page 46)
For tracheostomized patients with fully or partially intact larynx.

**Product variants:**
Product variants can be made in order to optimize the functionality and wearing comfort and also for patients with complex anatomical and physiological conditions.
Each TRACOE comfort tube is supplied with an adjustable neck strap. The neck strap is also available separately (REF 903-F).

Accessory for TRACOE comfort Tubes:
- Speaking valves and artificial noses (for details see page 72 und 73)
- REF 517, Seldinger guide wire with guiding catheter (for details see page 19)
- REF 518, Seldinger guide wire (for details see page 19)

Speaking Tube, Type A

REF 103-A
- Outer cannula
- Inner cannula with slide-on silver valve type A
- Inner cannula with 15 mm connector
- Inner cannula
- Wide neck strap
For tracheostomized patients with fully or partially intact larynx, for speaking

Speaking Tube, Type B

REF 104
- Outer cannula
- Inner cannula with swivel valve type B
- Inner cannula
- Wide neck strap
For tracheostomized patients with fully or partially intact larynx, for speaking.
**Speaking Tube, Type B**

**REF 104-A**
- Outer cannula
- Inner cannula with swivel valve type B
- Inner cannula with 15 mm connector
- Inner cannula
- Wide neck strap (shown on page 46)

For tracheostomized patients with fully or partially intact larynx, for speaking.

**Speaking Tube, Type B**

**REF 114**
- Outer cannula
- Inner cannula with swivel valve type B
- Inner cannula with 15 mm connector
- Wide neck strap (shown on page 46)

For tracheostomized patients with fully or partially intact larynx, for speaking.

**Tubes with Oxygen Supply Port:**
As product variants REF 103, REF 103-A, REF 104 and REF 104-A can be ordered with an oxygen supply port (shown right: REF 103-O and REF 104-O).
Tube with 15mm Connector

**REF 105**
- Outer cannula
- Inner cannula with 15 mm connector
- Wide neck strap (shown on page 46)
For attaching:
TRACOE humid assist I (REF 640-CT),
TRACOE humid assist III (REF 641) and
TRACOE humid assist IV (REF 642).

**REF 105-D**
- Outer cannula
- Two Inner cannulas with 15 mm connector
- Wide neck strap (shown on page 46)
For attaching:
TRACOE humid assist I (REF 640-CT),
TRACOE humid assist III (REF 641) and
TRACOE humid assist IV (REF 642).
**Tube, Fenestrated, with 15mm Connector**

**REF 115**
- Outer cannula, fenestrated
- Inner cannula, fenestrated, with 15mm connector
- Inner cannula with 15mm connector
- Wide neck strap (shown on page 46)

For attaching:
TRACOE phon assist (e.g. REF 650-T) and
TRACOE humid assist (e.g. REF 640-CT).

Further information see page 70 to 73.

**Laryngectomy Tube**

**REF 106-D**
- Outer cannula, short
- Two inner cannulas, short
- Wide neck strap (shown on page 46)

For patients whose larynx has been removed.
The length and bending angle are designed for an optimum fit.

**Reference Numbers and Measurements: REF 106-D**

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<th>OD-OC bc (mm)</th>
<th>OD-OC bf (mm)</th>
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1. ID-OC: inside diameter (clear width) at bottom of outer cannula;
2. OD-OC bc: outside diameter at bottom of outer cannula;
3. OD-OC bf: outside diameter of outer cannula behind the flange;
4. ID-IC: inside diameter at bottom of inner cannula;
5. Length TL: length along centre line from start of neck flange to bottom of tube;
6. Length AB: length along outer bend (greatest length)

The bending angle is 90° in all comfort tubes.

To order, specify: REF + size (e.g. REF 106-D-07).
Extra-Long Tube without Inner Cannula

REF 201
- Cannula, extra-long
- Wide neck strap
For acute tracheostomy and emergency care applications.

Extra-Long Tube with Inner Cannula

REF 202
- Outer cannula, extra-long
- Inner cannula
- Wide neck strap
For permanent wearers and patients with tracheal stenosis.

Each TRACOE comfort tube is supplied with an adjustable neck strap. The neck strap is also available separately (REF 903-F).
Extra-Long Tube with Inner Cannulas

**REF 202-D**
- Outer cannula, extra-long
- Two inner cannulas
- Wide neck strap

For permanent wearers and patients with tracheal stenosis.

Extra-Long Speaking Tube, Type A

**REF 203**
- Outer cannula
- Inner cannula with slide-on silver valve type A
- Inner cannula
- Wide neck strap (shown on page 50)

For tracheostomized patients with fully or partially intact larynx for speaking or with tracheal stenosis.

Tubes of size 13 and 14 are made to order. Delivery time is approx. 10 working days.

Reference Numbers and Measurements: REF 201-REF 205

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① ID-OC: inside diameter (clear width) at bottom of outer cannula; ② OD-OC bc: outside diameter at bottom of outer cannula; ③ OD-OC bf: outside diameter of outer cannula behind the flange; ④ ID-IC: inside diameter at bottom of inner cannula; ⑤ Length TL: length along centre line from start of neck flange to bottom of tube; ⑥ Length AB: length along outer bend (greatest length)

The bending angle is 90° in all comfort tubes.

To order, specify: REF + size (e.g. REF 205-05).
**Extra-Long Speaking Tube, Type B**

**REF 204**
- Outer cannula
- Inner cannula with swivel valve type B
- Inner cannula
- Wide neck strap (shown on page 50)

For tracheostomized patients with fully or partially intact larynx for speaking or with tracheal stenosis.

**Extra-Long Speaking Tube, Type B**

**REF 204-A**
- Outer cannula
- Inner cannula with swivel valve type B
- Inner cannula with 15 mm connector
- Inner cannula
- Wide neck strap (shown on page 50)

For tracheostomized patients with fully or partially intact larynx for speaking or with tracheal stenosis.

---

**Accessory for TRACOE comfort Tubes:**
- Speaking valves and artificial noses
  (for details see page 72 und 73)
- REF 517, Seldinger guide wire with guiding catheter (for details see page 19)
- REF 518, Seldinger guide wire
  (for details see page 19)

---

**Product variants:**
Product variants can be made in order to optimize the functionality and wearing comfort and also for patients with complex anatomical and physiological conditions.
Extra-Long Tube with 15 mm Connector

**REF 205**
- Outer cannula
- Inner cannula with 15 mm connector
- Wide neck strap (shown on page 50)

For attaching:
- TRACOE humid assist I (REF 640-CT),
- TRACOE humid assist III (REF 641) and
- TRACOE humid assist IV (REF 642).

**Tubes with Oxygen Supply Port:**
As product variants REF 203, REF 204 and REF 204-A can be ordered with an oxygen supply port (shown right: REF 203-O and REF 204-O).
Under Control

Cuff Pressure Monitoring:
Spot measurements with
a handheld manometer
or continuous, fully
automatic monitoring
and control.
Prevents complications
and secondary problems
for the patient.
TRACOE® technic

High Precision

TRACOE technic refers to medical devices, which allow setting and control of pressure in low pressure cuffs of tracheostomy and endotracheal tubes with high precision.

Constant Pressure

Why is it so important for the cuff to be properly inflated? For one, to ensure sufficient ventilation at all times. For another, to prevent silent aspiration, which, under certain circumstances, can lead to a nosocomial ventilation pneumonia. It also prevents damage to the trachea (mucosal necrosis, destruction of cartilage, tracheomalacia).

Two Systems, One Goal

TRACOE technic includes two ways to regularly check the cuff pressure. First, the TRACOE cpm handheld manometer, featuring a large, easy-to-read scale (0-100 cmH₂O) for quick and easy measurements. The usual pressure range for the application is coloured green.

Second, the fully automatic TRACOE cpc cuff pressure control. It continuously monitors and regulates the pressure in the low pressure cuffs of tracheostomy and endotracheal tubes. Visual and audible alarms warn of leaks or overpressure. TRACOE cpc is compact and lightweight, straightforward and practical to use. It reduces the workload of hospital nursing staff.
TRACOE cuff pressure control

**REF 701**

- TRACOE cuff pressure control
- Transformer
- 3 connection tubes with integrated hydrophobic bacteria filter, each one in sterile package, length: 2 m
- 1 TRACOE twist tracheostomy tube with low pressure cuff

A fully automatic, precision device for continuous monitoring and control of the pressure in the low pressure cuffs of tracheostomy and endotracheal tubes.

The device contains a sensor-controlled pump for long-term, precise control of low pressure cuffs. It is powered via a transformer or, during patient transport, by a rechargeable battery (for up to 8 hours). Through a mount on the back of the instrument it can be easily attached to an intensive-care bed, stand or operating table.

The device is CE-certified and EMC-tested.

---

**Technical Data on REF 701**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Medical-technical device, Class IIb, active, with measuring and control function</th>
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<tbody>
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<td>Power supply</td>
<td>12 V</td>
</tr>
<tr>
<td>Protection rating</td>
<td>II</td>
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<tr>
<td>Operating voltage</td>
<td>5 V</td>
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</table>
| Power consumption   | Idling (pump off, valves off): 0.08 W  
                        Full power (pump and valves active): 0.65 W |
| Battery             | 9 V, 150 mAh for NiCd and 9 V, 170 mAh for NiMH                                  |
| Battery display     | graphic (empty, weak, medium, full)                                             |
| Battery operating time | 8 hours                                                                          |
| Battery charging time | 6-8 hours                                                                        |
| Pressure display    | digital                                                                          |
| Control range       | 5 to 100 mbar                                                                    |
| Control precision   | ± 1 mbar over the entire control range                                           |
| Pressure display precision | ± 1 mbar                                                                      |
| Max. internal cuff pressure | 100 mbar                                                                       |
| Maximum vacuum      | -250 mbar                                                                        |
| Alarm functions     | Audible and visible signal:  
                        • if the pressure cannot be compensated within 10 seconds  
                        • in the event of leakages  
                        • in case of a pressure increase of > 100 mbar  
                        • if the battery is almost flat  
                        • if the mains connector is unplugged or there is a power failure |
| Pneumatic device connection | Bayonet connector                                                                  |
| Device dimensions   | Height: 100 mm, width: 150 mm, depth: 60 mm                                      |
| Weight              | 350 g (incl. battery)                                                            |

**TRACOE Power Pack (REF 704)**

- Power supply: 100-240 V, 50-60 Hz
- Protection rating: II

**Ambient Conditions**

<table>
<thead>
<tr>
<th>Storage conditions</th>
<th>Temperature -40 to +70°C, relative air humidity 10-95%</th>
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</thead>
<tbody>
<tr>
<td>Operating conditions</td>
<td>Temperature 10 to 40°C, relative air humidity 10-95%</td>
</tr>
</tbody>
</table>

Products purchased may differ in appearance from the illustrations in this catalogue.
**TRACOE cuff pressure monitor**

**REF 720**
- TRACOE cuff pressure monitor
- 1 connection tube REF 702

The TRACOE cuff pressure monitor is used to fill and monitor the pressure of high-volume, low pressure cuffs of tracheostomy and endotracheal tubes.

Its outstanding features and benefits:
- Easy use
- Precise, reproducible pressure indication
- Extra-large, easy-to-read scale from 0-100 cmH₂O
- Widely spaced scale markings with colour coded pressure ranges

The TRACOE cuff pressure monitor comes with a connection tube with male and female Luer lock connectors on its ends (REF 702).

**Connection Tubes**

**for REF 720, TRACOE cuff pressure monitor:**

**REF 702**
- 10 units supplied in individual sterile packages
  Tube for connecting a tracheostomy or endotracheal tube. With Luer lock connectors. Length: 1 m

**REF 703**
- 10 units supplied in individual sterile packages
  Tube for connecting a tracheostomy or endotracheal tube. With Luer lock connectors. Length: 2 m

**for REF 701, TRACOE cuff pressure control:**

**REF 703-A**
- 10 units supplied in individual sterile packages
  Connecting tube with integrated hydrophobic bacteria filter for connecting a tracheostomy or endotracheal tube. With bayonet and Luer lock connectors. Length: 2 m
**Modular System:**

Voice prostheses, stoma and grid buttons, speaking valves, artificial noses and adhesive carriers can be combined with one another. Flexible solutions to meet individual needs.
TRACOE® larynx

Individual Solutions

TRACOE larynx is a modular system that is specifically geared to meet the needs of laryngectomized and tracheostomized patients in the hospital, during rehabilitation and homecare. It consists of five main products.

TRACOE voice prostheses (shunt valves) TRACOE VoiceMaster and TRACOE VoiceMaster Primo allow laryngectomized patients to speak.

The TRACOE phon assist I speaking valve makes it possible for laryngectomized patients with a voice prosthesis and tracheostomized patients to speak hands-free. TRACOE phon assist I is used by tracheostomized patients and offers, with the infinitely adaptable airway resistance, new therapeutic options. Both versions are individually adjustable.

TRACOE humid assist I and II are heat/moisture exchangers (HMEs) that act like an artificial nose by warming, moistening and filtering inhaled air.

TRACOE stoma buttons are made of soft, flexible silicone. Developed for patients who only require a device to keep the tracheostoma open continuously and do not need a proper tracheostomy tube, and for attaching speaking valves and/or HMEs.

The TRACOE adhesive carriers for laryngectomized or tracheostomized patients to attach heat/moisture exchangers (HMEs) humid assist II or the speaking valves phon assist I and phon assist II.
TRACOE VoiceMaster Voice Prosthesis

**REF 670**

Set in sterile package

- 1 TRACOE VoiceMaster voice prosthesis
- 1 inserter
- 5 cleaning swabs
- 1 sachet of lubricating gel

For voice rehabilitation subsequent to total laryngectomy. Using a special inserter, the prosthesis is front-loaded into the healed tracheo-oesophageal fistula. Patients can have it inserted, removed, cleaned, checked or exchanged while awake on an outpatient basis.

**TRACOE VoiceMaster Primo Voice Prosthesis**

**REF 671**

1 unit supplied in sterile package

with centering pin on ball valve

**REF 671-A**

1 unit supplied in sterile package

without centering pin on ball valve

- 1 TRACOE VoiceMaster Primo Voice Prosthesis

For surgical voice rehabilitation subsequent to total laryngectomy. After primary or secondary tracheo-oesophageal puncture, the prosthesis is inserted retrograde into the fistula with the aid of a guide wire (REF 683).
Reference Numbers and Measurements:
REF 670 (only up to size 10), REF 671, REF 671-A

<table>
<thead>
<tr>
<th>Size</th>
<th>L (mm)</th>
<th>ID (mm)</th>
<th>OD (mm)</th>
<th>(FR)</th>
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<td>12</td>
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<td>24</td>
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</tbody>
</table>

L: length; ID: inside diameter; OD: outside diameter

To order, specify: REF + size (e.g. REF 670-06).

Benefits of TRACOE Voice Prostheses:
- The ball valve is especially designed to be self-centering to ensure optimum sealing and air tightness.
- The valve opens in response to only slight pressure.
- The ball valve's favourable aerodynamics allow easy modulation of the speaking volume.
- The ball valve and counterbearing are made of Candida-resistant materials. This ensures the valve will continue sealing properly for a long time.

TRACOE VoiceMaster Inserter

REF 675 1 unit
For inserting and removing TRACOE VoiceMaster voice prosthesis (REF 670).
Available in sizes: 06, 08 and 10

TRACOE VoiceMaster Fistula Dilator

REF 679 1 unit
For enlarging the tracheo-oesophageal fistula or temporarily closing it to prevent fluids from passing from the oesophagus into the trachea. Made of soft, medical-grade silicone.
Diameter: 16-22 French/CH (5.3-7.3 mm)

TRACOE VoiceMaster Fistula Length Gauge

REF 680 1 unit
For measuring the length of the tracheo-oesophageal fistula to select an appropriately sized voice prosthesis.
**Spare Flanges for TRACOE VoiceMaster**

**Fistula Length Gauge**

**REF 680-A**  
For single use.

---

**TRACOE VoiceMaster Guide Wire**

**REF 683**  
1 unit  
For retrograde insertion of the TRACOE VoiceMaster Primo (REF 671 and REF 671-A) following primary or secondary tracheo-oesophageal puncture. Made of stainless steel, autoclaveable.

---

**Prof. Lichtenberger Guide Wire**

**REF 685**  
1 unit  
For retrograde insertion of the TRACOE VoiceMaster Primo (REF 671 and REF 671-A) following primary or secondary tracheo-oesophageal puncture. Keeps its given bend. Made of stainless steel, autoclaveable.

---

**TRACOE VoiceMaster Trocar with Cannula**

**REF 681**  
1 unit  
For creating a fistula by primary or secondary tracheo-oesophageal puncture. Autoclaveable.

---

**TRACOE VoiceMaster Pharynx Guard**

**REF 682**  
1 unit  
To prevent perforation of the posterior oesophageal wall during primary tracheo-oesophageal puncture using the trocar with cannula (REF 681). The handle rotates for left- or right-handed use. Autoclaveable.

---

**Spare O-Rings for TRACOE VoiceMaster Pharynx Guard**

**REF 682-A**  
5 units
Angled Forceps

**REF 678**
1 unit
For cleaning TRACOE VoiceMaster (REF 670) and TRACOE VoiceMaster Primo (REF 671 and REF 671-A) voice prostheses around the tracheal flange. Made of stainless steel, autoclaveable.

**TRACOE Cleaning Pipette**

**REF 676**
1 unit
For cleaning and rinsing TRACOE VoiceMaster Primo (REF 671 and REF 671-A) voice prostheses.

**Lubricating Gel**

**REF 677**
30 sachets
For lubricating TRACOE VoiceMaster voice prostheses (REF 670) to facilitate insertion into the tracheo-oesophageal fistula.

**TRACOE VoiceMaster Plug**

**REF 684**
1 unit with
3 TRACOE tube clean cleaning swabs (REF 935)
For temporarily closing TRACOE VoiceMaster (REF 670) and TRACOE VoiceMaster Primo (REF 671 and REF 671-A) voice prostheses. Insert the stick of a TRACOE cleaning swab into the depression on the back of the plug to guide it into the voice prosthesis. The plug is made of medical-grade silicone.
## The Modular System

Speaking valves and heat/moisture exchanger (artificial noses/HMEs) can be attached to different support systems, depending on requirements and indications. This modular system permits flexible solutions to suit individual patients.

### Speaking valves
- **phon assist I**
  - REF 650-S
- **phon assist I with oxygen supply port**
  - REF 650-SO
- **phon assist II**
  - REF 655-S

### Heat/moisture exchanger (HMEs)
- **humid assist I**
  - REF 640-S
- **humid assist II**
  - REF 645

### Carrier: stoma buttons and adhesive carriers
- **grid button**
  - REF 601, REF 602, REF 603
- **stoma button**
  - REF 611, REF 612, REF 613
- **Adhesive Carrier**
  - REF 660, REF 661

### Possible Combinations

Each in combination with:
- phon assist I (REF 650-S)
- phon assist I with Oxygen Supply Port (REF 650-SO)
- humid assist I (REF 640-S)
- phon assist II (REF 655-S)
- phon assist II (REF 655-S) + humid assist II (REF 645)
TRACOE larynx – stoma buttons

**TRACOE grid button**

**REF 601/REF 602/REF 603**
1 unit supplied in sterile package
with 1 neck strap
stoma button with eyes for attaching a neck strap and with a removable grid to prevent inhalation of foreign objects.
Sizes: 06, 07, 08, 09, 10, 11, 12

**TRACOE stoma button**

**REF 611/REF 612/REF 613**
1 unit supplied in sterile package
Sizes: 06, 07, 08, 09, 10, 11, 12

Reference Numbers and Measurements:
REF 601-REF 603 and REF 611-REF 613

<table>
<thead>
<tr>
<th>Size</th>
<th>ID (mm)</th>
<th>OD (mm)</th>
<th>Length (mm)</th>
<th>Length (mm)</th>
<th>Length (mm)</th>
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</tr>
</tbody>
</table>

ID: inside diameter; OD: outside diameter; L: length

To order, specify: REF + size (e.g. REF 601-06).
TracoE Larynx – Stoma Button Accessories

**Stopper**

**REF 621**

5 units supplied in sterile package

For TRACOE buttons. To temporarily seal the button in patients with unobstructed upper airways and unrestricted breathing.

Caution:

Not for use by laryngectomized patients.

**TRACOE Humid Assist I**

**REF 640-S**

50 units individually packaged in cleanroom

Heat/moisture exchanger (HME, artificial nose) with flat base for insertion in TRACOE buttons and TRACOE adhesive carriers (REF 660 and REF 661). Fits all sizes.

**TRACOE Phon Assist I**

**REF 650-S**

1 unit supplied in sterile package

Speaking valve, continuously adjustable, with flat base. For insertion in TRACOE buttons and TRACOE adhesive carriers (REF 660 and REF 661). Air supply from the side allows an individually adjustable airway resistance.

Caution:

Not for use by laryngectomized patients.

**TRACOE Phon Assist I with Oxygen Supply Port**

**REF 650-SO**

1 unit supplied in sterile package

Speaking valve, continuously adjustable, with flat base, oxygen supply port and cap. For insertion in TRACOE buttons and TRACOE adhesive carriers (REF 660 and REF 661). Air supply from the side allows an individually adjustable airway resistance.

Caution:

Not for use by laryngectomized patients.
**TRACOE humid assist II**

**REF 645**

50 units individually packaged in cleanroom

Heat/moisture exchanger (HME, artificial nose) for attaching to the hands-free speaking valve TRACOE phon assist II (REF 655-S).

**TRACOE phon assist II**

**REF 655-S**

1 unit supplied in sterile package plus 5 units TRACOE humid assist II (REF 645), individually packaged in cleanroom

Hands-free speaking valve, continuously adjustable, for attachment to TRACOE adhesive carriers (REF 660 and REF 661) or grid and stoma buttons (REF 601-REF 603 and REF 611-REF 613).

Fits all sizes.

Caution:

After laryngectomy only to be used in conjunction with a voice prosthesis!

---

**TRACOE Adhesive Carrier Hydrocolloid**

**REF 660**

20 units individually packaged

For affixing onto the tracheostoma. With an allergenic hydrocolloid coating, particularly suitable for patients with sensitive skin. With support ring for TRACOE speaking valves phon assist I (REF 650-S and REF 650-SO) and phon assist II (REF 655-S) with or without heat/moisture exchanger TRACOE humid assist II (REF 645).

**TRACOE Adhesive Carrier Standard**

**REF 661**

20 units individually packaged

For affixing onto the tracheostoma. The adhesive carrier is particularly thin and coated with a strong acrylate adhesive. With support ring for TRACOE speaking valves phon assist I (REF 650-S and REF 650-SO) and phon assist II (REF 655-S) with or without heat/moisture exchanger TRACOE humid assist II (REF 645).
Cleaning,
Maintenance,
Accessories:
Optimally designed to facilitate the daily use of TRACOE products.
Practical and convenient for patients and health-care staff.
As Comfortable as Possible

Special situations require special solutions. Tracheostomized and laryngectomized patients need accessories that help make daily life with a tracheostomy tube as comfortable as possible.

Wearing, Maintenance, Cleaning, Care

Many products in the TRACOE care line of accessories enhance the daily use of tracheostomy tubes, such as speaking valves, HMEs, neck straps, protective scarves and spacers. The special cleaning kits and tracheal compresses ensure proper hygiene, which is of utmost importance.

Product Location Service

You cannot find a specific product in the extensive TRACOE care range? Call them! The team of TRACOE medical will assist you in locating the required accessory.
**The Modular System**

Speaking valves and heat/moisture exchanger (artificial noses/HMEs) can be attached to different support systems, depending on requirements and indications. This modular system permits flexible solutions to suit individual patients. In addition the speaking valve phon assist I with continuously adjustable airway resistance offers new therapeutic options.

<table>
<thead>
<tr>
<th>Speaking valves</th>
<th>Carrier: Tubes with 15 mm connector</th>
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</thead>
<tbody>
<tr>
<td>phon assist I</td>
<td>TRACOE twist</td>
</tr>
<tr>
<td>REF 650-S</td>
<td>REF 302, REF 302-P, REF 304</td>
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<tr>
<td>phon assist I with oxygen supply port</td>
<td>TRACOE pure</td>
</tr>
<tr>
<td>REF 650-SO</td>
<td>REF 485, REF 495</td>
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<tr>
<td>phon assist II</td>
<td>TRACOE comfort</td>
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<tr>
<td>REF 655-S</td>
<td>REF 115</td>
</tr>
<tr>
<td>phon assist I</td>
<td>TRACOE twist</td>
</tr>
<tr>
<td>REF 650-T</td>
<td>REF 301, REF 301-P, REF 303, REF 305 to REF 309</td>
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<tr>
<td>phon assist I with oxygen supply port</td>
<td>TRACOE pure</td>
</tr>
<tr>
<td>REF 650-TO</td>
<td>REF 480, REF 490</td>
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<td>phon assist II</td>
<td>TRACOE vario</td>
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<tr>
<td>REF 655-T</td>
<td>REF 450, REF 451, REF 455, REF 460, REF 465, REF 470</td>
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<tr>
<td>Heat/Moisture exchanger</td>
<td>TRACOE comfort</td>
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<td>humid assist I</td>
<td>REF 103-A, REF 104-A, REF 114, REF 105, REF 105-D, REF 204-A, REF 205</td>
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<tr>
<td>REF 640-S</td>
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<tr>
<td>humid assist II</td>
<td>grid button</td>
</tr>
<tr>
<td>REF 645</td>
<td>REF 601, REF 602, REF 603</td>
</tr>
<tr>
<td>humid assist I</td>
<td>stoma button</td>
</tr>
<tr>
<td>REF 640-CT</td>
<td>REF 611, REF 612, REF 613</td>
</tr>
<tr>
<td>humid assist III</td>
<td>Adhesive Carrier</td>
</tr>
<tr>
<td>REF 641</td>
<td>REF 660, REF 661</td>
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<tr>
<td>humid assist IV</td>
<td></td>
</tr>
<tr>
<td>REF 642</td>
<td></td>
</tr>
</tbody>
</table>
Possible Combinations

TRACOE twist tube, fenestrated, with 15 mm connector
(REF 302, REF 302-P, REF 304)

TRACOE pure tube, fenestrated, with 15 mm connector
(REF 485, REF 495)

TRACOE comfort tube, fenestrated, with 15 mm connector
(REF 115)

Each in combination with:
- phon assist I (REF 650-T)
- phon assist I with oxygen supply port (REF 650-TO)
- humid assist I (REF 640-CT)
- humid assist III (REF 641)
- humid assist IV (REF 642)
- phon assist II (REF 655-T)
- phon assist II (REF 655-T) + humid assist II (REF 645)

Caution: Tubes with low pressure cuff have to be deflated before using a speaking valve!

TRACOE twist tube
with 15 mm connector
(REF 301, REF 301-P, REF 303, REF 305-REF 309)

TRACOE pure tube
with 15 mm connector
(REF 480, REF 490)

TRACOE vario tube
with 15 mm connector
(REF 450, REF 451, REF 455, REF 460, REF 465, REF 470, REF 450-P, REF 451-P, REF 460-P)

TRACOE comfort tube
with 15 mm connector
(REF 103-A, REF 104-A, REF 114, REF 105, REF 105-D, REF 204-A, REF 205)

Each in combination with:
- humid assist I (REF 640-CT)
- humid assist III (REF 641)
- humid assist IV (REF 642)

TRACOE grid button
(REF 601, REF 602, REF 603)

TRACOE stoma button
(REF 611, REF 612, REF 613)

TRACOE Adhesive Carrier
(REF 660, REF 661)

Each in combination with:
- phon assist I (REF 650-S)
- phon assist I with oxygen supply port (REF 650-SO)
- humid assist I (REF 640-S)
- phon assist II (REF 655-S)
- phon assist II (REF 655-S) + humid assist II (REF 645)
**TRACOE humid assist I**  
**REF 640-CT**  
50 units individually packaged in cleanroom  
Heat/moisture exchanger for attachment to any tube with 15mm connector.  
Fits all tube sizes.

**TRACOE humid assist III**  
**REF 641**  
50 units, sterile, individually packaged  
Heat/moisture exchanger with paper filter for attachment to any tube with 15mm connector, integrated oxygen supply port, turnable through 360°.  
Fits all tube sizes.

**TRACOE humid assist IV**  
**REF 642**  
30 units, individually packaged in cleanroom  
Heat/moisture exchanger for attachment to any tube with 15mm connector, integrated oxygen supply port and pressure control valve for expectoration of larger quantities of secretion.  
Fits all tube sizes.

**TRACOE humid assist I**  
**REF 640-S**  
50 units individually packaged in cleanroom  
Heat/moisture exchanger with flat base for insertion in TRACOE buttons and TRACOE adhesive carriers (REF 660 and REF 661).  
Fits all tube sizes.

**TRACOE humid assist II**  
**REF 645**  
50 units individually packaged in cleanroom  
Heat/moisture exchanger for attaching to the hands-free speaking valve TRACOE phon assist II (REF 655-S).

**TRACOE phon assist I**  
**REF 650-S**  
1 unit supplied in sterile package  
Speaking valve, infinitely adjustable, with flat base. For insertion in TRACOE buttons and TRACOE adhesive carriers (REF 660 and REF 661). Air supply from the side allows an individually adjustable airway resistance.  
**Caution:**  
Not for use by laryngectomized patients.
**TRACOE phon assist I with Oxygen Supply Port**

**REF 650-SO**

1 unit supplied in sterile package

Speaking valve, infinitely adjustable, with flat base, oxygen supply port and cap. For insertion in TRACOE buttons and TRACOE adhesive carriers (REF 660 and REF 661). Air supply from the side allows an individually adjustable airway resistance. Fits all sizes.

**Caution:**
Not for use by laryngectomized patients.

**TRACOE phon assist II**

**REF 655-S**

1 unit supplied in sterile package plus 5 units TRACOE humid assist II (REF 645), individually packaged in cleanroom

Hands-free speaking valve, infinitely adjustable, for attachment to TRACOE adhesive carriers (REF 660 and REF 661) or grid and stoma buttons (REF 601-REF 603 and REF 611-REF 613).

Fits all sizes.

**Caution:**
After laryngectomy only to be used in conjunction with a voice prosthesis!

**TRACOE phon assist I with Oxygen Supply Port**

**REF 650-TO**

1 unit supplied in sterile package

Speaking valve, infinitely adjustable, with oxygen supply port, for attachment to any fenestrated tube with 15 mm connector (e.g. REF 302 and REF 304). Air supply from the side allows an individually adjustable airway resistance. Fits all tube sizes.

**TRACOE phon assist II**

**REF 655-T**

1 unit supplied in sterile package plus 5 units TRACOE humid assist II (REF 645), individually packaged in cleanroom

Hands-free speaking valve, infinitely adjustable, for attachment to any fenestrated tube with 15 mm connector (e.g. REF 302 and REF 304). Fits all tube sizes.
**Neck Straps**

**REF 903**

For holding tubes securely in place.

<table>
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<tr>
<th>REF</th>
<th>max. Length (approx.) in cm</th>
<th>Width of neck strap (approx.) in cm</th>
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<tbody>
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<td>903-J</td>
<td>36</td>
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</table>

**REF 903-A**  1 unit  Beige, elastic, with hook

**REF 903-B**  1 unit  White, wide, padded, with hook-and-loop fastener

**REF 903-B-P**  10 units  Identical to REF 903-B

**REF 903-D**  1 unit  White, wide, elastic, with hook-and-loop fastener, individually adjustable

**REF 903-E**  1 unit  White, wide, with hook-and-loop fastener

**REF 903-E-P**  10 units  Identical to REF 903-E

**REF 903-F**  1 unit  White, wide, consists of two parts, adjustable length, cotton cover, with hook-and-loop fastener

**REF 903-F-P**  10 units  Identical to REF 903-F

**REF 903-G**  1 unit  White, patted, consists of two parts, adjustable length, with hook-and-loop fastener, for neonates and children

**REF 903-H**  1 unit  White, wide, padded, with hook

**REF 903-H-P**  10 units  Identical to REF 903-H

**REF 903-I**  1 unit  White, long, wide, padded, with hook

**REF 903-I-P**  10 units  Identical to REF 903-I

**REF 903-J**  1 unit  White, short, wide, padded, with hook

**REF 903-J-P**  10 units  Identical to REF 903-J
**Paraffin Oil**

**REF 902**
Lubricates and protects TRACOE comfort tubes. Lets inner cannulas be easily inserted and removed.
Contents: 25 ml

**Shower Guard**

**REF 915**
Protection for tube wearers while showering. Soft, adaptable and adjustable to different neck sizes.
CAUTION:
May not be used for full-body bathing or swimming!

**Tube Spacer**

**REF 904**
Attaches to tube flange of TRACOE comfort tubes. It prevents blockage of the tube aperture when the patient is wearing tracheostoma protection.
**TRACOE tube clean Cleaning Kits**

For cleaning TRACOE tracheostomy tubes and TRACOE buttons.

- **REF 930-A**
  - with cleaning powder and small cleaning swabs
  - tube clean cleaning powder (REF 932)
  - tube clean cleaning tub (REF 934)
  - 1 cleaning brush (REF 938-A)
  - 50 cleaning swabs, small (REF 935)

- **REF 930-B**
  - with cleaning powder and large cleaning swabs
  - tube clean cleaning powder (REF 932)
  - tube clean cleaning tub (REF 934)
  - 1 cleaning brush (REF 938-A)
  - 50 cleaning swabs, large (REF 936)

- **REF 931-A**
  - with concentrated cleaning liquid and small cleaning swabs
  - tube clean concentrated cleaning liquid (REF 933)
  - tube clean cleaning tub (REF 934)
  - 1 cleaning brush (REF 938-A)
  - 50 cleaning swabs, small (REF 935)

- **REF 931-B**
  - with concentrated cleaning liquid and large cleaning swabs
  - tube clean concentrated cleaning liquid (REF 933)
  - tube clean cleaning tub (REF 934)
  - 1 cleaning brush (REF 938-A)
  - 50 cleaning swabs, large (REF 936)

All articles in the cleaning kits are also available separately.

Detailed tips and information on how to clean, disinfect and care for tracheostomy tubes can be found on pages 84 and 85 and in the respective instructions for use.
**TRACOE tube clean Concentrated Cleaning Liquid**

**REF 933** 1 bottle
Liquid cleaning concentrate for cleaning and removing incrustations on tracheostomy tubes and stoma/grid buttons. Rapidly acting.
Contents: 250 ml (for approx. 100 applications)

**TRACOE tube clean Cleaning Powder**

**REF 932** 1 tub
Cleaning powder for cleaning and removing incrustations on tracheostomy tubes and stoma/grid buttons. Contents: 400 g (for approx. 60 applications)

**TRACOE tube clean Cleaning Tub with Mesh Basket**

**REF 934** 1 tub
For tracheostomy tubes and stoma/grid buttons. Volume: 500 ml
**TRACOE tubeclean Cleaning Swabs**

**REF 935**  **Small**  **Pack of 50**
Bendable plastic swabs with polyurethane sponge tip for cleaning tracheostomy tubes/cannulas with an inner diameter of 3 to 7 mm.
For single use.

**TRACOE tubeclean Cleaning Swabs**

**REF 936**  **Large**  **Pack of 50**
Bendable plastic swabs with polyurethane sponge tip for cleaning tracheostomy tubes/cannulas with an inner diameter of 8 to 14 mm.
For single use.

**Protective Skin Cloth**

**REF 970**  **Pack of 50**
For daily skin care and cleaning around the tracheostoma. Dermatologically tested, bactericidal, antiseptic, and itch-reducing. Impregnated with lipid regulating substances.

**Angled Forceps**

**REF 678**  **1 unit**
To remove incrustations and clean tubes. Made of stainless steel, autoclaveable.
TRACOE Cleaning Brushes with Wool Tip

REF 938
Pack of 10
Angled brush with extra-soft nylon bristles for removing incrustations. To reduce scratching, the brushes have a wool tip. Total length: approx. 21 cm.

<table>
<thead>
<tr>
<th>Art. no.</th>
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<th>For tube ID</th>
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<tbody>
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<td>REF 938-A</td>
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<td>5/6 mm</td>
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<tr>
<td>REF 938-B</td>
<td>9 mm</td>
<td>7/8 mm</td>
</tr>
<tr>
<td>REF 938-C</td>
<td>11 mm</td>
<td>9/10 mm</td>
</tr>
</tbody>
</table>

TRACOE Cleaning Brushes with Wool Tip in a Kit of 5

REF 939
The kit contains:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bristle-diameter</th>
<th>For tube ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 unit</td>
<td>7 mm</td>
<td>5/6 mm</td>
</tr>
<tr>
<td>2 units</td>
<td>9 mm</td>
<td>7/8 mm</td>
</tr>
<tr>
<td>2 units</td>
<td>11 mm</td>
<td>9/10 mm</td>
</tr>
</tbody>
</table>

TRACOE Cleaning Brushes for Flexible Tracheostomy Tubes

REF 940
Pack of 10
Extra-long, specially made for cleaning flexible tracheostomy tubes. The wire used has a rounded tip and the bristles are made of soft nylon.

<table>
<thead>
<tr>
<th>Art. no.</th>
<th>Bristle-diameter</th>
<th>For tube ID</th>
<th>Approx. total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 940-A</td>
<td>7 mm</td>
<td>5/6 mm</td>
<td>31.5 cm</td>
</tr>
<tr>
<td>REF 940-B</td>
<td>9 mm</td>
<td>7/8 mm</td>
<td>33.5 cm</td>
</tr>
<tr>
<td>REF 940-C</td>
<td>11 mm</td>
<td>9/10 mm</td>
<td>36.0 cm</td>
</tr>
<tr>
<td>REF 940-D</td>
<td>13 mm</td>
<td>11/12 mm</td>
<td>36.0 cm</td>
</tr>
</tbody>
</table>

TRACOE Cleaning Brushes for Flexible Tracheostomy Tubes in a Kit of 10

REF 941
The kit contains:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bristle-diameter</th>
<th>For tube ID</th>
<th>Approx. total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 units</td>
<td>7 mm</td>
<td>5/6 mm</td>
<td>31.5 cm</td>
</tr>
<tr>
<td>2 units</td>
<td>9 mm</td>
<td>7/8 mm</td>
<td>33.5 cm</td>
</tr>
<tr>
<td>3 units</td>
<td>11 mm</td>
<td>9/10 mm</td>
<td>36.0 cm</td>
</tr>
<tr>
<td>3 units</td>
<td>13 mm</td>
<td>11/12 mm</td>
<td>36.0 cm</td>
</tr>
</tbody>
</table>
Tracheal Compresses, Aluminium Coated with Zigzag Slit

**REF 905** Pack of 10
Tracheal compresses, aluminium coated, avoid the compress sticking to the wound or the skin. They absorb secretions between the stoma and the tube.
Dimensions: approx. 9 x 9.8 cm

**TRACOE Moisture Protection**

**REF 906** Pack of 10
TRACOE moisture protection with zigzag slit prevents moisture from the compress from getting onto clothes.
Dimensions: approx. 9 x 9.8 cm

![Image of TRACOE Moisture Protection](image)

- **i** The zigzag slit keeps the compresses securely in place.
  At the same time it is quite simple to remove the compress and replace it with a new one whilst wearing the tracheostomy tube.

Tracheal Compresses

**REF 910-A** Without slit Pack of 10
These tracheal compresses absorb secretions from the tracheostoma to avoid skin irritations.
Dimensions: approx. 9 x 9.8 cm

**REF 910-B** With zigzag slit Pack of 10

**TRACOE Tracheostoma Protection**

**REF 908** Small VE: 10 Stück
Dimensions: approx. 6 x 6.5 cm

**REF 909** Large VE: 10 Stück
Dimensions: approx. 7.2 x 7.2 cm

Prevents foreign objects from entering the tracheostoma. With adhesive strip, for single use, for adults and children.

Products purchased may differ in appearance from the illustrations in this catalogue.
Coated Tracheal Compresses with Zigzag Slit

**REF 960** Pack of 10
To absorb secretions from the tracheostoma to avoid skin irritations. The coating further avoids the absorbent compress sticking to the wound or the skin. Dimensions: approx. 8 x 10 cm

Two-Ply Tracheal Compresses

**REF 907-A** Without slit Pack of 10  
**REF 907-B** With zigzag slit Pack of 10  
Two-ply tracheal compresses absorb a large amount of secretions from the tracheostoma quickly to avoid skin irritations. At the same time they are used as a pad between the tracheostoma and the tracheostomy tube. Dimensions: approx. 9 x 9.8 cm

Fleece Tracheal Compresses

**REF 912** Pack of 100  
Fluff-free, 4-ply fleece tracheal compresses. Dimensions: approx. 10 x 10 cm

Coated Two-Ply Tracheal Compresses with Zigzag Slit

**REF 957** Pack of 10  
Two-ply tracheal compresses absorb a large amount of secretions from the tracheostoma quickly to avoid skin irritations. The absorbent coating further avoids the compress sticking to the wound or skin. At the same time they are used as a pad between the tracheostoma and the tracheostomy tube. Dimensions: approx. 8 x 10 cm

Tracheal Compresses with Zigzag Slit for Neonates and Children

**REF 961** Pack of 10  
Tracheal compresses to absorb secretions from the tracheostoma to avoid skin irritations. At the same time they are used as a pad and a protection for the sensitive skin around the tracheostoma. The compresses are ideally adapted to the anatomy of neonates and children. Dimensions: approx. 6.5 x 6.3 cm
TRACOE purofoam Tracheostomy Dressing

The TRACOE purofoam tracheostomy dressings are made of highly absorbent open pore polyurethane foam (a). The foam has a non-sticking layer (b) on the side facing the tracheostoma which allows quick absorption of liquids into the foam’s core. The opposite side is covered with a skin coloured, vapour permeable coating which will prevent leakage of secretions and bacteria through the front of the dressing (c). Due to the circular opening and the zigzag slit the dressing can be easily replaced with a new one whilst wearing the tracheostomy tube. As the dressing does not stick to the skin, it can be removed and replaced without causing trauma or pain. The TRACOE purofoam tracheostomy dressing can be used to dress a newly established or an existing, irritated tracheostoma, as well as healed but weeping tracheostomas and any other kind of artificial orifice. This dressing meets modern standards of moist wound treatment.

TRACOE purofoam Tracheostomy Dressing

REF 958   Large   Pack of 10 supplied in individual sterile packages
For tracheostomy tube sizes 06 to 12.
Dimensions: approx. 9 x 10 x 0.5 cm

REF 959   Small   Pack of 10 supplied in individual sterile packages
For tracheostomy tube sizes 03 to 05.
Dimensions: approx. 6.5 x 6.5 x 0.5 cm

TRACOE softpad Tracheostomy Stoma Pads

REF 969   Pack of 20 supplied in individual sterile packages
Oval tracheostomy stoma pads made of open-pored, highly absorbent polyurethane foam. Avoids decubitus, compensates unevenness due to scars, seals air leaks (function of speech).
Dimensions: oval, approx. 5.5 cm at longest point and approx. 3.7 cm at widest point.

TRACOE care – Sterile Tracheostomy Dressing

Products purchased may differ in appearance from the illustrations in this catalogue.
The protective bibs filter and warm the respiratory air. At the same time they protect clothes from possible secretions. Made of polyester, with continuously adjustable hook-and-loop fastener.

The TRACOE protective roll-necks are made of 100% cotton with an integrated polyester layer. They are worn underneath the shirt.

Washing Instructions for TRACOE Protective Bibs, TRACOE ProtectiveScarves and TRACOE Protective Roll-Necks:
- Hand-wash, 30°C, with mild soap
- No dry-cleaning
- No bleaching
- No ironing
INFORMATION FOR PATIENTS
Tips for Everyday Use of TRACOE Tracheostomy Tubes

Cleaning and Maintenance

The easiest way to clean the tubes is to use the TRACOE tube clean cleaning kits (REF 931-A or REF 931-B), developed especially for this purpose. Never use a strong household cleaning product, a denture cleanser, or strong alcohol to clean the tubes. Soften any solid incrustations and remove them using e.g. TRACOE tube clean cleaning swabs (REF 935 and REF 936). After cleaning, rinse the cannulas thoroughly. Allow the inner and outer cannulas to air-dry.

Disinfection

If necessary, clean the tubes and then soak them in a disinfectant recommended by TRACOE medical. Afterwards rinse the tubes thoroughly in running water or with distilled water.

Hygiene

When the tracheostoma is stable, the tubes can be cleaned and maintained during replacement. If the tracheostoma is fresh, however, do not remove the tube for very long, as it may be very difficult to reinsert.

Please note that the tube must be taken out of the tracheostoma for cleaning.

Care of the stoma depends on mucous accumulation, scab formation, and skin condition, but it should be cleaned at least twice a day. Use either the TRACOE protective skin cloth (REF 970) or fleece compresses saturated with physiological saline solution to clean the stoma. Do only use fluff free material. Replace the compresses and neck straps regularly. Select the widest, softest neck strap possible to prevent irritation.

The skin should be clean and dry (neither desiccated nor waterlogged). If the area around the tracheostoma is chafed, the skin can be treated with appropriate care products according to doctor’s orders. When the irrita-

Please note:
The tips and instructions for the care of the tracheostoma and tracheal hygiene are based on the manufacturer’s practical experience. They are not intended to replace the medical advice of a physician or trained healthcare personnel.

TRACOE medical GmbH assumes no liability for claims resulting from the incorrect or improper care of the tracheostoma or incorrect or improper tracheal hygiene.

Medical indications as well as anatomical and physiological conditions vary for each tube wearer. For this reason, patients must consult their physician or healthcare professional for advice on the care of the tracheostoma and tracheal hygiene. Instructions given by the physician and healthcare personnel must be followed.
tion disappears, treat the area with a skin dressing that is not excessively viscous. A vaporized 0.9% saline solution can be inhaled to loosen or remove scabs or in-crustations. A tracheostoma being treated with radia-
tion is often highly sensitive and should be cared for as instructed by your physician or healthcare personnel.

**Protective Accessories**

To prevent particles of dust and dirt or other objects from entering the trachea through the stoma, special protective articles are needed such as cloths, bibs, roll-necks, filters, etc. Depending on personal requirements, each patient should have at least six such articles on hand.

**Suctioning Frequency**

In the same patient the necessity to suction can vary from just a few times each day to up to a number of times an hour. It is important to use a high-quality suction device with suitable performance.

**Moistening**

To prevent the formation of scab, the use of an “artificial nose” (e.g. TRACOE humid assist I, REF 640-CT) to keep the airways moist is recommended. Another method is to inhale a vaporized saline solution. A room with up to 50 or 60% relative humidity also helps to maintain proper moisture levels in the airways.

**Materials**

TRACOE tracheostomy tubes are made of materials that are approved internationally for medical use. They contain no latex. These products may only be disposed of in compliance with the applicable local regulations for waste materials. In the United States, federal law stipu-
lates that these products may only be sold by or when prescribed by physicians.
INFORMATION FOR DISTRIBUTORS

Sales Support
TRACOE medical provides authorized distributors with valuable, cost-free support for advising their patients:

Tube Info Card
Every TRACOE tube and most of the larynx products come with a card containing all relevant data for documentation and re-ordering purposes in the form of peel-off stickers on the back and front.

Basic Information
The TRACOE sales guide is a complete package of brochures, information sheets and educational materials that you can use to train your sales representatives.

Advertising
Photographs of all TRACOE products are available for use in advertising or to create your own training documents; please specify the desired file format.

Sales Forces
TRACOE product specialists are available to support you in dealing with difficult indications and training your sales force. Following consultation, they can accompany your representatives on visits to customers.

Training
TRACOE medical conducts training sessions on products and their applications on request.

News-Service
You receive current information many times throughout the year by regular mail or, on request, by e-mail.

Trade Shows/Conferences
TRACOE medical participates in many major national and international trade shows and conferences. TRACOE medical can also provide you with product posters and catalogues to use at your own events.

Internet
To quickly and conveniently obtain information about TRACOE products, news, or general information, simply visit the Internet at: www.tracoe.com.
**Basic Product Sets**

TRACOE partners have found the demonstration case to be an excellent way to display our products: top-quality carrying cases filled with all important TRACOE products that go wherever you go. It is an excellent way to provide an overview of the TRACOE programme.

**ORDERING**

**telephone:** +49-69-665668-80  
+49-69-665668-99

**fax:** +49-69-665668-10

**e-mail:** info@tracoe.com

To ensure prompt handling of your order please indicate the exact reference numbers (REF), the sizes of the tubes and your customer number on your order form.

**Delivery:** All TRACOE products are shipped directly ex stock. Orders placed before noon are usually shipped the same day. Non-sterile product variants are generally shipped within 10 days, sterile ones within 4 weeks. Please note: Additional freight charges apply in cases of express deliveries and deliveries to addresses which differ from the address on the invoice.

**Returns:** Returns of used products are accepted only if accompanied by a completed decontamination certificate. You can obtain the required form either directly from TRACOE medical or from their website (www.tracoe.com).

**General Terms and Conditions of Business:** Sales and deliveries are made only on the basis of the general terms and conditions of business. You can obtain these either directly from TRACOE medical or from their website (www.tracoe.com).