

**Surgical placement**

The UniPerc<sup>TM</sup> tubes may be inserted by open surgical placement in an operating room. The UniPerc<sup>TM</sup> tube blue obturator must be used only with the correct size of UniPerc<sup>TM</sup> Adjustable Flange Tracheostomy Tube and not any other type of tracheostomy tube to avoid trauma to the trachea from shorter or incompatible components.



**Recommended products**

UniPerc<sup>TM</sup> Adjustable Flange Tracheostomy Tube with a Soft Seal<sup>®</sup> Cuff  
100/899/070-090

**Tube changes**

UniPerc<sup>TM</sup> tubes can be exchanged percutaneously using the blue obturator and a Seldinger guidewire technique. The extra long UniPerc<sup>TM</sup> replacement guide wire should be used for this purpose.



+



OR



+



**Recommended products**

UniPerc<sup>TM</sup> Adjustable Flange Tracheostomy Tube with a Soft Seal<sup>®</sup> Cuff 100/897/070-090  
+ Guidewire 100/549/000

**Recommended products**

UniPerc<sup>TM</sup> Adjustable Flange Tracheostomy Tube 100/897/070-090  
+ Guidewire 100/549/000

**Percutaneous placement**

For first time placement by percutaneous dilational tracheostomy, the UniPerc<sup>TM</sup> tubes are supplied in a procedure kit (UniPerc<sup>TM</sup> Percutaneous Dilation Tracheostomy Kit) and they must not be inserted using components from any other percutaneous tracheostomy kits.

**Recommended products**

UniPerc<sup>TM</sup> Percutaneous Dilation Tracheostomy Kit  
100/597/070 - 090



## UniPerc™ adjustable flange tracheostomy tubes

### ORDERING INFORMATION

#### WITH SOFT SEAL CUFF®

Size (Tube I.D)	Pack size	Product Code
7.0 mm	1 unit	100/897/070
8.0 mm	1 unit	100/897/080
9.0 mm	1 unit	100/897/090

#### UNCUFFED

Size (Tube I.D)	Pack size	Product code
7.0 mm	1 unit	100/899/070
8.0 mm	1 unit	100/899/080
9.0 mm	1 unit	100/899/090



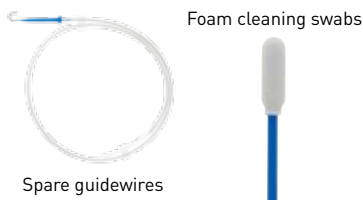
UniPerc™ tracheostomy tube with Soft-Seal® cuff



UniPerc™ tracheostomy tube uncuffed



Flexible Inner cannula



Foam cleaning swabs

Spare guidewires



Demonstration head



UniPerc™ PDT kit

## UniPerc™ accessories

### ORDERING INFORMATION

#### REPLACEMENT INNER CANNULAE

Size (Tube I.D)	Pack size	Product Code
7.0 mm	10 units	100/890/070
8.0 mm	10 units	100/890/080
9.0 mm	10 units	100/890/090

#### GUIDEWIRES FOR TUBE CHANGES OR PDT KITS

	Pack size	Product Code
Spare guidewires	5 units	100/549/000

#### CLEANING SWABS FOR INNER CANNULAE

	Pack size	Product Code
Foam cleaning swabs	20 units	100/892/200

#### DEMONSTRATION HEAD

	Pack size	Product Code
UniPerc™ trainer and case	1 unit	UNI100
UniPerc™ trauma kit (2 tracheas and 4 skins)	1 unit	UNI101
UniPerc™ replacement neck foam	2 units	UNI102
UniPerc™ replacement case	1 unit	UNI103

## UniPerc™ percutaneous dilation tracheostomy kits with single stage dilator

### ORDERING INFORMATION

	Product Code
With UniPerc™ Adjustable Flange Tracheostomy Tube 7.0 mm and Introducer	100/597/070
With UniPerc™ Adjustable Flange Tracheostomy Tube 8.0 mm and Introducer	100/597/080
With UniPerc™ Adjustable Flange Tracheostomy Tube 9.0 mm and Introducer	100/597/090

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Smiths Medical, part of the global technology business Smiths Group

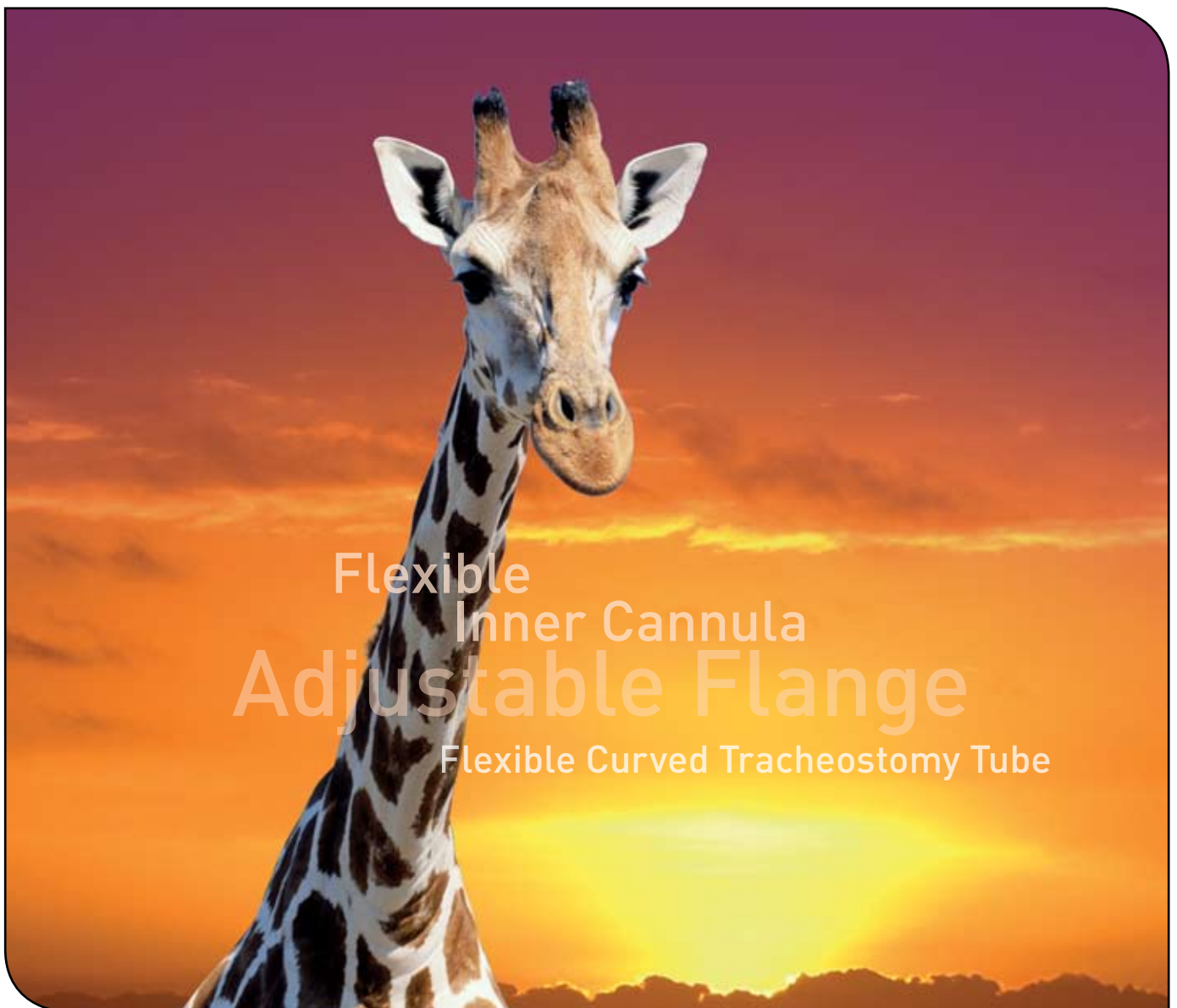
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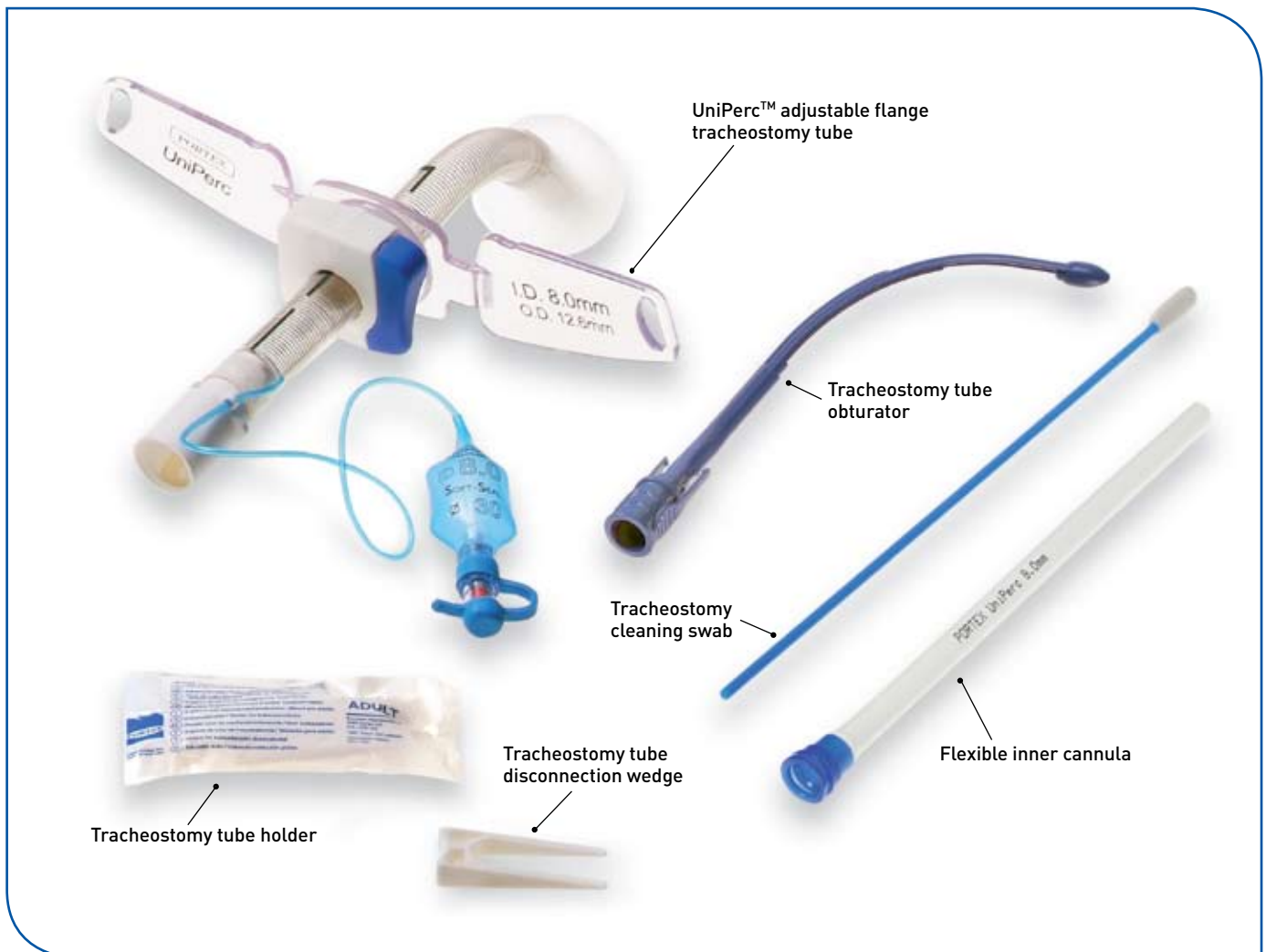
Literature No. LIT/AM2891

smiths medical

# UniPerc™ Adjustable Flange Tracheostomy Tubes For patients with larger necks



**AIRWAY MANAGEMENT**



## Introducing UniPerc™ tracheostomy tube - the 1st adjustable flange tracheostomy tube with a flexible inner cannula

Portex®, the leading brand of airway products from Smiths Medical, has developed a unique new range of percutaneous tracheostomy tubes and kits specially designed for patients with large necks.

The increasing prevalence of obesity in the general population is reflected in the rising numbers of obese patients admitted to intensive care units<sup>1-3</sup>.

The limitations of existing tracheostomy products when treating patients with large necks, present clinicians with a number of challenges.

The Portex® UniPerc™ tracheostomy range was developed to meet the changing needs of clinicians.

The UniPerc™ adjustable flange tracheostomy tubes are particularly suitable for patients with:

- **Large necks**
- **Muscular necks**
- **Short necks**
- **Obese necks**
- **Bull necks**

Always read the detailed instructions for use prior to using this product.

### UniPerc™ adjustable flange tracheostomy tube kit contents

- UniPerc™ cuffed (or uncuffed) adjustable flange tracheostomy tube
- Tracheostomy tube obturator (blue)
- Flexible inner cannula
- Tracheostomy tube holder
- Tracheostomy cleaning swab
- Tracheostomy tube disconnection wedge

### Key benefits

- Ideal for surgical placement or tube changes
- Available in sizes 7.0, 8.0 and 9.0 mm
- Dedicated flexible inner cannula
- Available with a Soft Seal® cuff or without cuff
- Unique flange securing mechanism

#### References

1. Pi-Sunyer FX. Health implications of obesity. Am J Clin Nutr 1991; 53 (6 Suppl):1595s-1603s.
2. Flegal KM, Graubard BI, Williamson DF, Gail MH. Excess death associated with underweight, overweight, and obesity. JAMA 2005; 293:1861-1867.
3. Tremblay A, Bandi V. Impact of body mass index on outcomes following critical care. Chest 2003; 123:1202-1207.



## Surgical placement or tube changes made quick, safe and easy

### UniPerc™ adjustable flange tracheostomy tube

- Graduated reinforced PVC material provides a high level of flexibility with ultimate kink resistance
- Tapered tip to assist insertion and minimise trauma to the tracheal wall
- Suitable for patients with up to 50 mm of pre-tracheal soft tissues
- Curved for maximum patient comfort
- Safe for use during Magnetic Resonance Imaging (MRI); the image in close proximity to the tube may be distorted
- The distinctive markings on the tube permit easy setting of the flange at the correct depth
- Large transparent flexible wings for improved patient comfort
- Positive locking clamp – simple to use with positive feel and visual confirmation

### UniPerc™ tube size selection

- The Portex® UniPerc™ is the first tracheostomy tube designed with its sizing based on the inside diameter (I.D.) of the tube with its inner cannula in place
- The product is labelled in accordance with BS EN ISO 5366-1:2004 where the stated I.D. (7.0 mm, 8.0 mm and 9.0 mm) is measured at the narrowest point (tip of the tube). However, the main inner diameter is larger and will completely accommodate the inner cannula. Other tracheostomy tubes quote an I.D. which is

then significantly reduced by the insertion of an inner cannula

- The tube without the inner cannula in place provides equivalent flow resistance to the next size up with its inner cannula in place

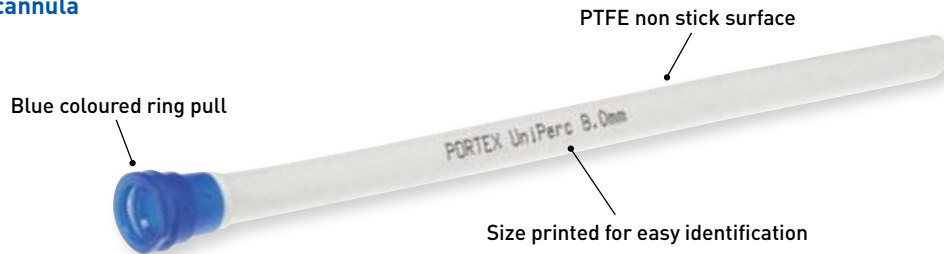
### UniPerc™ tube sizing recommendations

- Size 7.0mm and 8.0mm will be the normal tubes of choice for the vast majority of patients
- Size 9.0mm is available for use in very large tracheas, cases of enlarged trachea or tracheomalacia

### UniPerc™ tube dimensions

UniPerc™					Blue Line Ultra® (for comparison)	
I.D. (as labelled)	Tip I.D.	Inner Cannula I.D.	Main Tube I.D.	Tube O.D.	Tip O.D.	Main Tube
7.0mm	7.0mm	7.0mm	9.3mm	11.6	9.6	10.5
8.0mm	8.0mm	8.0mm	10.3mm	12.6	10.9	11.9
9.0mm	9.0mm	9.0mm	11.3mm	13.6	12.3	13.3
10.0mm	-	-	-	-	13.7	14.0

## Flexible inner cannula



## Transparent and flexible adjustable flange



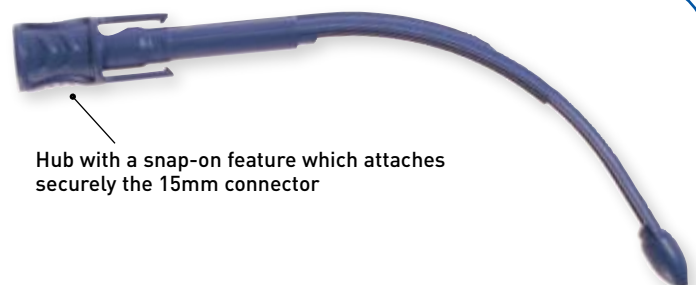
## UniPerc™ tracheostomy tube obturator



Smooth bullet shaped tip with close fit to the tracheostomy tube end allowing smooth insertion



Inner lumen which allows tube replacement over a guide wire



## The UniPerc™ range - innovative design and unique product features

### Flexible inner cannula

- Fully flexible and manufactured from PTFE to minimise secretion adherence
- Single patient use design and can be re-used for up to 29 days
- Blue ring pull provides easy identification when in situ and aids easy insertion and removal
- Bonded 15mm connector is located on the tube and not on the inner cannula allowing patient ventilation at all times
- Does not reduce the inner diameter as the tracheostomy tube is sized at its narrowest point. The inner cannula fits against this point and therefore when in situ does not reduce the stated diameter of the UniPerc™ tube
- Supplied with extra long foam cleaning swab to minimise damage during cleaning

### Transparent and flexible adjustable flange

- Large and anatomically shaped for improved patient comfort
- Incorporates an easy-to-use positive blue locking clamp
- Flexible thermosensitive wings allow easy access to the stoma for cleaning

### UniPerc™ tracheostomy tube obturator

- Flexible obturator facilitates easy insertion
- Hub with a snap-on feature which attaches securely to the 15mm connector
- Inner lumen enables tube changes over a guidewire using a Seldinger technique

### Inner cannula cleaning

- The inner cannula should be routinely checked, cleaned or replaced at regular intervals to avoid blockage or reduction in lumen of the airway
- Always remove the inner cannula from the tracheostomy tube prior to cleaning
- It can be cleaned with sterile water or saline only, using the dedicated extra long cleaning swab
- Do not soak. Insert the cleaning swab and remove it with a twisting action to clean the inner lumen
- Once clean, it should be allowed to dry naturally
- If any damage or kinking to the inner cannula is observed, discard the inner cannula and replace it with a new inner cannula