

LOOK FORWARD TO BETTER BREATHING

TRACHI-NAZE[®]

effective respiratory rehabilitation



- ✓ **RESTORES**
lost airway resistance
- ✓ **INCREASES**
oxygenation which improves breathing
- ✓ **DELIVERS**
benefits of heat & moisture in the trachea
- ✓ **MAXIMISES**
stoma protection



KAPITEX

The Specialists in Laryngectomy,
Tracheostomy, Dysphagia and
Airway Management

"My improvement has been unbelievable - I can't speak too highly of Trachi-Naze."

Mr. K.K.



restoring your essential nasal function

A UNIQUE SYSTEM WHICH RESTORES THE VITAL NASAL FUNCTION TO NECKBREATHERS

A revolutionary breakthrough for neckbreathers, **Trachi-Naze** is the world's first externally worn system to restore the essential functions of the nose - making breathing easier and more efficient.

Trachi-Naze® Benefits!

- ✓ Restores normal airway resistance
- ✓ Increases blood oxygenation
- ✓ Reduces shortness of breath
- ✓ Reduced mucus production
- ✓ Reduced crusting around the stoma and trachea
- ✓ Increased lung protection
- ✓ Fewer chest infections
- ✓ Good heat and moisture within the trachea
- ✓ Excellent filtration
- ✓ Less coughing
- ✓ Improved sleep
- ✓ Greater confidence
- ✓ Improved well being



Trachi-Naze +Plus provides an alternative method of fitting to the Trachi-Naze baseplate system - see pages 8-9



Trachi-Naze gives you the confidence to lead the life you want to live

The vital nasal function

Before laryngectomy

- Normally we breathe through the nose. In normal breathing, the nose warms, humidifies and filters incoming air. The nose protects the entire airway passage and lungs, keeping them in good condition.
- Importantly, the nasal passage also provides airway resistance which helps to provide a level of pressure within the lungs which is vital for efficient lung function and blood oxygenation.
- Lack of resistance and therefore poor oxygenation will diminish the respiratory function and will lead to a feeling of tiredness and lethargy.

Problems faced by neckbreathers

- Laryngectomy and tracheostomy patients do not breathe through the nose. They lose the benefit of the nasal function when breathing through the stoma opening in the neck.
- This can lead to problems and serious respiratory complications if the functions of the nose are not replaced and adequate airway protection provided.

Quality of life for laryngectomy and tracheostomy patients can therefore be dramatically improved if the role of the nose and airway can be restored. **Trachi-Naze** helps to achieve this.

Why airway resistance is essential

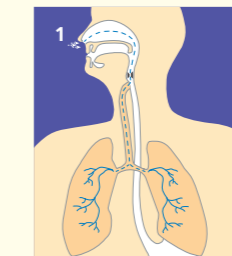
- Airway resistance is provided by the narrowing of the airway upon expiration. This is important as it creates a column of air within the trachea and lungs, contributing to pressures within the lungs which keeps the air sacs open.
- The air sacs (alveoli) need to be open to allow efficient gas exchange to take place. This means oxygen to enter the blood stream and carbon dioxide to leave it.
- **Trachi-Naze** provides raised levels of oxygenation and contributes to efficient gas exchange

Trachi-Naze is the **only** system which restores your lost breathing resistance

Trachi-Naze restores the lost nasal function for neckbreathers.

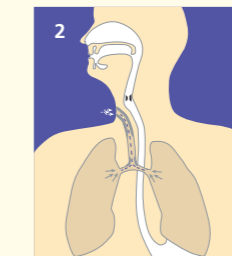
It is the only externally worn system to add back heat, moisture, small particulate filtration and improves breathing and therefore increases oxygenation. Oxygenation is increased because **Trachi-Naze** provides a functional airway resistance within the trachea, which plays an important role in the breathing process.

All these benefits have been clinically proven.



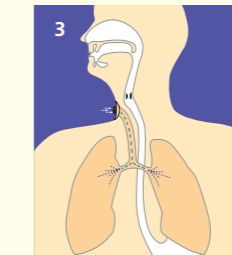
① Before Laryngectomy

- Air breathed in is filtered, warmed, and humidified by the nose, with the nasal airway providing the resistance essential for efficient respiration and oxygenation within healthy lungs.



② After Laryngectomy

- The laryngectomee breathes through the stoma in the neck, bypassing the nose, so air is not properly warmed, humidified or filtered.
- With no nasal function and no protection after surgery, air entering the trachea is dry, cold, unfiltered and therefore likely to contain dirt and bacteria.
 - Without airway resistance there is also insufficient gas exchange and a consequent deterioration in respiratory efficiency.
 - Patients experience crusting and drying out of the tracheal mucosa, and excessive production of mucus - a potential cause of chest infections.



③ With the Trachi-Naze System

- **Trachi-Naze** adds back heat, moisture and filtration benefits along with airway resistance - which are all important in respiratory rehabilitation. **Only the Trachi-Naze solution restores your essential nasal airway function.**

Trachi-Naze - for effective respiratory rehabilitation

"My breathing has improved, coughing and secretions have been reduced since using the system."

Mr. J.M.



performance that makes a real difference!

INNOVATIVE TECHNOLOGY DESIGNED TO GIVE YOU BACK BETTER BREATHING

4 Choices of fitting

The unique multi-function *Trachi-Naze* system is available in four fitting options ensuring that all patients can benefit from **better breathing**

TRACHI-NAZE

BASEPLATE FITTING

Trachi-Naze baseplates are available in a variety of shapes and sizes and are applied using a well proven medical adhesive system. The filter cassettes are held in place on the baseplate collar by the occlusion cap which locks the filter cassettes in position with a twist/turn motion.

See pages 6-7 for a detailed overview of the *Trachi-Naze* system.



TRACHI-NAZE +PLUS

STUD FITTING

Trachi-Naze +Plus utilises non adhesive stoma studs to hold the filter cassette in position. Designed for use by patients who cannot tolerate skin adhesives, or are unable to use the baseplates because of recessed or uneven stomas, the stoma studs are available in various sizes ensuring gentle but effective stoma security.

See pages 8-9 for a full description of the *Trachi-Naze +Plus* system



TRACHI-NAZE +PLUS TTA

TRACHEOSTOMY TUBE ATTACHMENT (TTA)

Trachi-Naze +Plus filters can now be used by attaching to the tracheostomy tube attachment. They can be simply and quickly fitted to the 15mm connector on the tracheostomy tube.

See page 9 for the full description of the *Trachi-Naze +Plus TTA*



TRACHI-NAZE +PLUS

LARYNGECTOMY TUBE

The *Trachi-Naze +Plus* Laryngectomy Tube has been designed to hold the *Trachi-Naze +Plus* filter cassettes for those who require a tube to support the trachea.

See pages 10-11 for a full description of the *Trachi-Naze +Plus* Laryngectomy Tube



Trachi-Naze & Trachi-Naze +Plus Filter Cassettes

Filter cassette discs are the heart of the *Trachi-Naze* system.

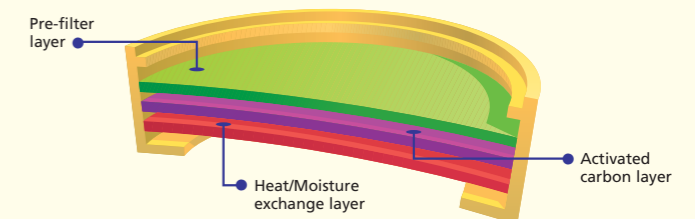
They contain three filter layers which when sealed onto the skin through the baseplate create a 'closed' system, ensuring that all air is warmed, humidified and filtered, and restoring a functional airway resistance.

The *Trachi-Naze* family of multi-function filter cassettes - all have a place in daily life

- The Blue Filter (night filter) provides the normal airway resistance which improves oxygenation - these filters would be normally worn at night and can be easily tolerated during sleep.
- The Green Filter (Day filter) is comfortable during the day for normal activity - it provides half the level of airway resistance - but it is the regular use of the Blue and Green filter which maximizes respiratory performance.
- The Orange Filter (Active filter) enables wearers to carry out strenuous activity without losing the protection offered by the filters. It has minimal airway resistance.

Normal use indications: 2-3 filters every 24 hours. Initially upon introduction to the system for the first few days the number of filters may be higher (4-5 filters every 24 hours) - this will settle down after the initial period - approximately 3 to 5 days.

Effective component design and materials selection



Each filter cassette contains:

The Pre-filter layer
Filters out dust and larger airborne particles.

The activated carbon layer
Helps reduce bacteria entering the airway and further cleanses the air of smoke, gases and small particles.

The heat moisture exchange layer
Provides the heat and moisture needed to keep the tracheal mucosa in good condition.

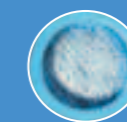
When placed together and in combination, with the system sealed onto the skin, these materials provide the functional airway resistance which is so vital for efficient breathing.

TRACHI-NAZE

FOR ADHESIVE BASEPLATES

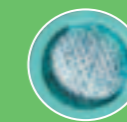
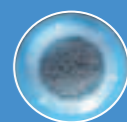
TRACHI-NAZE PLUS

FOR STOMA STUDS & TRACHEOSTOMY TUBE ATTACHMENT



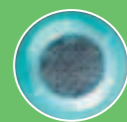
Night Filter

BLUE
Normal airway resistance adding back almost all lost resistance



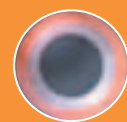
Day Filter

GREEN
Half airway resistance allowing free passage of air for daytime use



Active Filter

ORANGE
Minimal airway resistance allowing strenuous activities



✓ *Trachi-Naze* is the only system which restores lost airway resistance

"Exceptionally good. It is surprising the difference it has made to me"

Mr. T.O.

Trachi-Naze uses components and materials specially designed to recreate the function of the nose

the **TRACHI-NAZE** system for better breathing

BREATHE EASIER, SLEEP MORE SOUNDLY, FEEL FITTER AND GAIN IN CONFIDENCE



The unique *Trachi-Naze* system

Airway resistance provides the pressure necessary for healthy lung function, keeping the air sacs open so oxygen can enter the blood and carbon dioxide can leave. This resistance is lost when the nose is by-passed following a laryngectomy and tracheostomy.

The patented *Trachi-Naze* system is designed to restore airway resistance, oxygenating your blood to normal levels and allowing you to do the things you want to do.

Trachi-Naze is the only system that does this.

The only system to provide airway resistance at a physiological level providing:

- efficient breathing
- optimizing blood oxygenation
- providing the best respiratory rehabilitation



The 3 key Components

1 The Baseplates

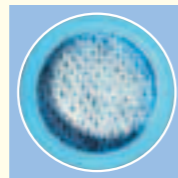
The baseplate and collar (into which the filter cassette fits) adhere to the neck, sealing around the stoma. Baseplates are available in three different materials, to suit your stoma:

- Small and large sizes produced from Hydrocolloid material
- Non-woven medical adhesive baseplate
- Clear, round, adhesive baseplate

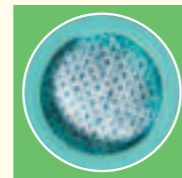
2 Multi-function Filter Cassettes

The filter cassettes are the heart of the *Trachi-Naze* system. Multi-layered, they fit loosely onto the collar directing air into the trachea.

A pre-filter removes dust and larger airborne particles; an activated carbon layer reduces bacteria, smoke and small particles entering the airway; and a heat and moisture exchange layer keeps the tracheal mucosa in good condition.



Night Filter Cassette
Normal airway resistance



Day Filter Cassette
Half airway resistance



Active Filter Cassette
Minimal airway resistance

3 The Occlusion Cap

Securing the filter cassette in place on the collar through a simple twist/turn motion, the cap allows finger occlusion to facilitate speech when the patient uses a voice prosthesis.

Innovative technology that restores airway resistance ...for efficient respiration



A selection of baseplate types showing the shower shield attachment and the unique *Trachi-Naze* filter cassettes.

The right baseplate for you

1) Hydrocolloid baseplate/small

Suitable for very smooth, round flat stomas.

2) Hydrocolloid baseplate/large

For when a large surface area is needed for better adhesion, as with a voice prosthesis.

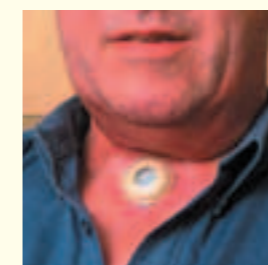
3) Clear, round baseplate

Waterproof, less noticeable baseplates with strong adhesive. This is the most popular baseplate.

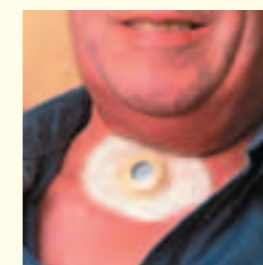


Hands Free Valve

The Occlusion Cap enables attachment of the Hands Free Valve (Type A & B) to all baseplate types. (see pages 12-13)



The clear round baseplate is unobtrusive and gives extra security.



The non-woven baseplate is ideal for difficult and recessed stomas where stronger adhesion is required.

Trachi-Naze Shower Shield



The shower Shield fits onto the occlusion cap of the filter cassette.

The Shower Shield can be an ideal protector in outside windy conditions - by deflecting the wind away from the stoma.

✓ *Trachi-Naze* - for effective respiratory rehabilitation

✓ *Trachi-Naze*...a major breakthrough for the laryngectomee!

"I find the whole system absolutely wonderful! my improvement has been unbelievable"

Mr. K.K.



TRACHI-NAZE[®] look forward to better breathing! +PLUS

TRACHI-NAZE +PLUS STOMA STUDS – THE NON-ADHESIVE SOLUTION FOR SENSITIVE SKIN

Unable to use adhesive baseplates? Now you can enjoy the benefits of the Trachi-Naze system with Trachi-Naze +Plus

- Like **Trachi-Naze**, **Trachi-Naze +Plus** replaces the functions of the nose – warming, humidifying and filtering incoming air and uniquely restoring lost airway resistance to enhance breathing.
- Designed for use soon after surgery, **Trachi-Naze +Plus** was developed for application onto recessed or uneven stomas. Patients can now enjoy the benefits of better breathing, delivered by non-adhesive silicone Stoma Studs and dedicated multi-function **Trachi-Naze +Plus** filter cassettes.
- The **Trachi-Naze Plus** + stoma studs provide a gentle sealing within the stoma, and in combination with the **Trachi-Naze +Plus** filter cassettes gives the wearer greater confidence as well as significantly enhanced respiration.



Patients can wear the Trachi-Naze +Plus system soon after surgery and quickly begin to enjoy a significantly improved quality of life.

Sizing and fitting Trachi-Naze +Plus couldn't be simpler!



1 When the stoma has been cleaned and dried, the Stoma Stud measuring guide is used to measure the width and depth of the stoma opening.



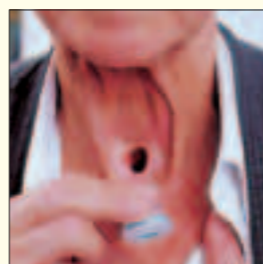
2 To ensure a snug fit, the size is checked with the Stoma Stud shaft resting on the corresponding cut-out on the measuring guide.



3 The chosen filter cassette is brought towards the Stoma Stud and placed in its rim.



4 The rim of the Stoma Stud is then pulled gently around the filter so that the filter cassette rests inside the lip of the Stoma Stud.



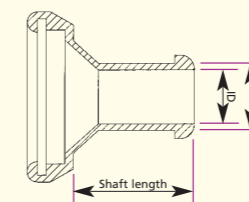
5 With the shaft of the Stoma Stud folded to make insertion easier, the stud and filter cassette assembly can now be placed into the stoma.



6 The Stoma Stud should fit snugly (not tightly), with the rim anchoring the stud in place.

The right size of Stoma Stud for you

- The **Trachi-Naze +Plus** stoma measuring guide ensures that the correct size of Stoma Stud is fitted. The guide indicates depth to the voice prosthesis (which determines the length of Stoma Stud to be used), and the outside diameter of the stud shaft. Two lengths of **Trachi-Naze +Plus** Stoma Studs are available, with a choice of diameters.



- The shorter length of Stoma Stud is more suitable for voice prosthesis users, as the shaft will not reach the prosthesis opening.



Voicing

- The versatile design of the **Trachi-Naze +Plus** cassettes allows easy attachment of the **Trachi-Naze** Hands Free Valve for hands free speech (see pages 12 - 13) or simple finger occlusion during voicing (when using a voice prosthesis).

Changing Filter Cassettes

Filter cassettes should be changed at least twice every 24 hours. Mucus will adhere to the back surface of the filter.

- Remove the Stoma Stud by holding it and pulling it forward gently while turning it.
- Peel the filter cassette out of the Stoma Stud and replace it with a new one.



The Trachi-Naze +Plus Tracheostomy Tube Attachment (TTA) allows tracheostomy tube wearers with a 15mm connector, to enjoy the benefits of better breathing with the Trachi-Naze +Plus filter cassettes.

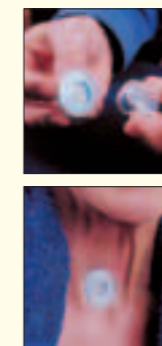


Trachi-Naze +Plus stoma stud sizes

	Short 14.5mm	Long 22.5mm
Outside diameter	10.5mm	10.5mm
of shaft	12.5mm	12.5mm
	14.5mm	14.5mm
	16.5mm	16.5mm
	18.5mm	18.5mm

See order details on back page

Trachi-Naze +Plus Shower Shield



The shower Shield fits onto the occlusion cap of the filter cassette. It also fits onto the occlusion cap which is used on the baseplates. The Shower Shield can be an ideal protector in outside windy conditions - by deflecting the wind away from the stoma.

Trachi-Naze +Plus - the alternative to adhesive baseplates

Kapi Gel - "A major problem solver, particularly when dealing with difficult stoma anatomy"



TRACHI-NAZE[®] +PLUS comprehensive and versatile design

TRACHI-NAZE +PLUS LARYNGECTOMY TUBE - SOFT YET SUPPORTIVE FOR THE STOMA AND THE TRACHEA

laryngectomy tube

The *Trachi-Naze +Plus* range has been further enhanced by the introduction of the *Trachi-Naze +Plus* Laryngectomy tube.

- Designed to hold the Trachi-Naze Plus filter cassettes.
- For those who require a tube to support the trachea (longer than stoma studs).
- Easy to place the Trachi-Naze filter cassette and remove - (by bending the front lugs away from the cassette).
- Produced from medical grade silicone.
- Soft yet supportive for the stoma and the trachea.
- Smooth rounded edges - for extra comfort and safety.
- The Kapitex Laryngectomy tube can be fenestrated for voice prosthesis users, using the Kapitex fenestration punch, catalogue number TRACC 0017.
- Comprehensive diameters and lengths available to give you the best choice.
- Competitively priced.
- Supplied individually wrapped, clean with twill tape.
- Autoclavable - single patient use product



Trachi-Naze Plus Larytube in position (always use tapes on tube holders to secure the tube safely).



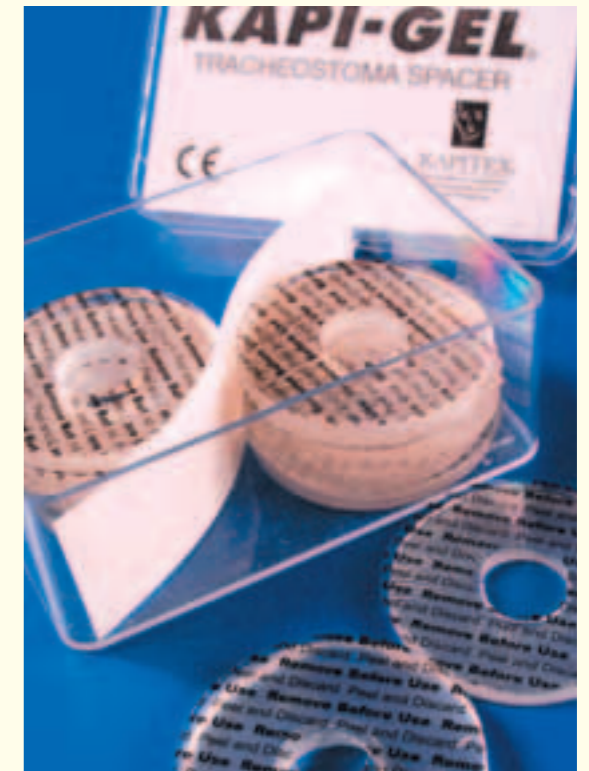
Trachi-Naze Plus laryngectomy tube held in place by Trachi-Hold tube holder, a modern, comfortable holder featuring Velcro® fastenings (Available separately).



Trachi-Naze Plus Laryngectomy Tube in place, using twill tape (supplied).

KAPI-GEL[®] tracheostoma spacer

- Ideal for difficult stoma anatomy. Helps to 'fill in' the stoma area, allowing the comfortable use of Laryngectomy tubes, stoma studs, Heat Moisture exchange/filter holders.
- Acts as a cushion behind the above style of tubes, particularly useful if one is digitally occluding the stoma.
- Due to its transparency, Kapi-Gel is not noticeable around the stoma
- Will help with the location of stoma studs and laryngectomy tubes
- Promotes skin care around the stoma and helps reduce soreness around the stoma and tube site.
- May help reduce air leakage around the tube.
- Kapi-Gel is a tacky laminated silicone gel available in two thicknesses 3mm and 5mm and in two hole dimensions 8mm and 12mm. Spacer diameter 43mm.
- Available in packs of 10.



Kapi-Gel spacer on the shaft of a Trachi-Naze Plus laryngectomy tube



Kapi-Gel spacer on the shaft of a Trachi-Naze Plus stoma stud



Easy to remove release paper



Position over stoma*



Kapi-Gel spacer sitting behind Trachi-Naze Plus stud

Trachi-Naze +Plus - the alternative to adhesive baseplates

"The Trachi-Naze hands free valve is now an integral part of the Trachi-Naze system, to help in the effective rehabilitation of Laryngectomee's"



the **TRACHI-NAZE** hands free valve

GIVING YOU THE BEST IN HANDS FREE SPEECH AND BREATHING!

Simple and easy to attach, adjust and use!

The **Trachi-Naze** range features two styles of Hands Free Valve - to provide the widest choice to individuals.

- The Type A and Type B Hands Free Valves have been designed to cover a wide variety of breathing patterns and strengths to enable a compatibility for the individual; use which he or she may not have with other systems.
- The extensive research and evaluation which took place when developing the Trachi-Naze Hands Free Valve revealed three key issues for suitability for use:
 - (a) Breathing patterns/strength
 - (b) Exhalation pressures
 - (c) Effectiveness of Baseplates sealing

Pressures and Lung Volume

- In order for the diaphragm to close, pressure is required to force the air to push the diaphragm to the closed position. As a general guide, exhalation pressures between 25 - 40 cm of water will be required for the Hands Free Valve*. Higher pressures are possible - as long as the baseplate remains adhered and leak free.
- If a person has a very low breathing rate/lung volume, they will not be able to close the valve - or sustain speech due to poor volume.
- If too high pressures are present (air being forced very hard) keeping an adhesive baseplate or a stoma stud in place without creating an air leak will prove extremely difficult. This could mean it would not really be suitable for a Hands Free Valve to be used.

For your comfort

When starting to use the hands free valve, we recommend that it is used together with the orange filter cassette.

*Pressure manometers are available from certain voice prosthesis manufacturers, normally used by Speech Therapists.

Type A LA TNV 1001



Suitability
 • The Type A valve is best suited to those with a low lung volume and who breathe lightly. As a general observation those who are of slight build and have a quiet voice when finger occluding would be good candidates for the Type A Hands Free Valve.

Easy adjustability

- The adjustable settings change the closing position of the diaphragm within the valve. The diaphragm is pushed up when air pressure is increased for speech to make contact against the sealing rim of the cap.
- Once the valve is closed (when exhaling) air is diverted through the voice prosthesis into the oesophagus, pharynx and mouth.
- The multiple adjustment settings allow the valves sensitivity to be set to best suit the individuals breathing and speech.

Cough release

- If coughing occurs, the over pressure release valve will rise allowing excessive air pressure to be released. Please note: if coughing persists, remove the hands free valve and re-apply.

Easy to breathe

- Easy to breathe through, the Type A top cap will prevent clothing blocking the valve.



Trachi-Naze Hands Free Valves are designed to be easily attached and removed from both the **Trachi-Naze** baseplate system and **Trachi-Naze Plus** stoma stud system.



Attachment of the Hands Free Valve to a **Trachi-Naze** baseplate is simple by way of a special push fit occlusion cap.

With **Trachi-Naze +Plus** the hands Free valve simply clicks directly onto the filter cassette.

Ratchet/click points on both valves, allow easy adjustment to the desired setting.

Type B LA TNV 2001



Suitability
 • The Type B valve is more suitable for Laryngectomees with good lung function and volume. The person will be of a larger frame and their voice will sound more normal when finger occluding.

Easy adjustability

- The adjustable settings change the closing position of the diaphragm within the valve. The diaphragm is pushed up when air pressure is increased for speech to make contact against the sealing rim of the cap.
- Once the valve is closed (when exhaling) air is diverted through the voice prosthesis into the oesophagus, pharynx and mouth.
- The multiple adjustment settings allow the valves sensitivity to be set to best suit the individuals breathing and speech.

Cough release

- The Type B valve diaphragm when faced with extreme pressure will simply pop out of the housing. The diaphragm can then be gently pushed back into position. The diaphragm will automatically reshape and will function as normal.

Easy to breathe

- The Type B valve features a cross bar, this helps to keep clothing away from the top cap and therefore allows free air flow.



Type B Valve in open position



Type B Valve in closed position

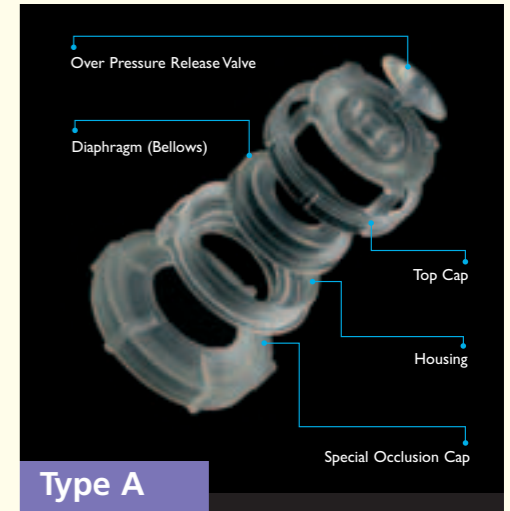


Adjusting the sensitivity of the Hands Free Valve Type B is easy by rotation of the Top Cap

Baseplate Sealing

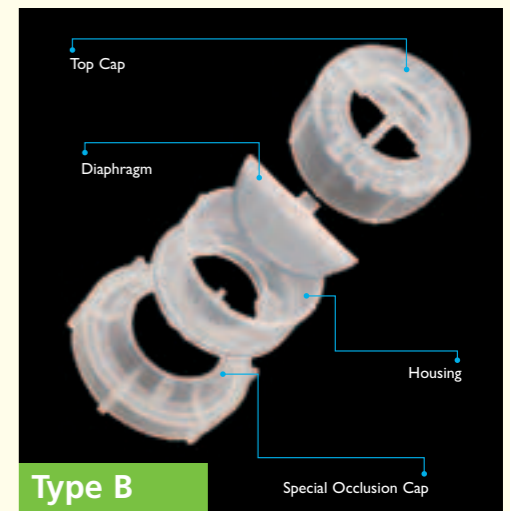
- There are a variety of Baseplates within the **Trachi-Naze** range. It is important to ensure that you have a good seal onto the skin around the stoma. We recommend the **Trachi-Naze** Clear Round Baseplate (LA NNZ 0007) which has the strongest adhesion.
- It is important that no air leakage is present around the Baseplate whilst using the Hands Free Valve. If pressures do loosen the Baseplate we suggest the use of a silicone adhesive and skin wipes which will enhance adhesion.
- Depending on the anatomy, adhesive baseplates may not be suitable. **Trachi-Naze Plus** Stoma Studs could be a useful alternative. It is important that the correct size is fitted into the stoma.
- Kapi-Gel Spacers will create a better seal between the skin and the stoma stud thereby promoting effective use of the Hands Free valve. (see pages 10 & 11).
- A Speech Therapist should be able to advise on the suitability of baseplates and the correct size of Stoma Stud.

Clear and simple instructions are provided with each valve.



Type A

The component parts of the Trachi-Naze Hands Free Valve Type A. The Over Pressure Release is bonded into the Top Cap, and the Diaphragm is bonded into the Housing.



Type B

The component parts of the Trachi-Naze Hands Free Valve Type B. The Diaphragm is adjusted by rotation of the top cap. The Type B Valve is supplied as a complete unit.

Both Valves are easily and fully adjustable to give the best choice of comfort and convenience at all levels of activity.

"I do not believe it would have been possible to have returned to work without Trachi-Naze."

Mr. W.M.



Trachi-Naze and Trachi-Naze +Plus

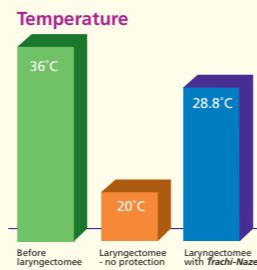
Why settle for anything less?

NO OTHER SYSTEM GIVES SO MANY CLINICALLY PROVEN BENEFITS

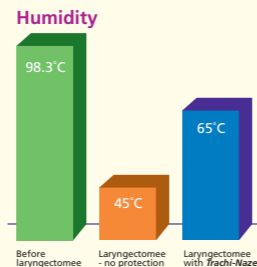
The results speak for themselves!

Trachi-Naze Benefits!

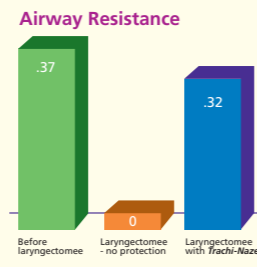
- ✓ Restores normal airway resistance
- ✓ Increases blood oxygenation
- ✓ Reduces shortness of breath
- ✓ Reduced mucus production
- ✓ Reduced crusting around the stoma and trachea
- ✓ Increased lung protection
- ✓ Fewer chest infections
- ✓ Good heat and moisture within the trachea
- ✓ Excellent filtration
- ✓ Less coughing
- ✓ Improved sleep
- ✓ Greater confidence
- ✓ Improved well being



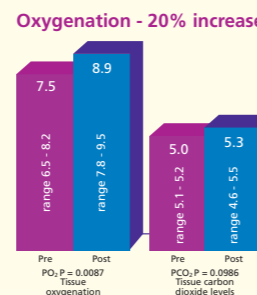
Temperature
Wearing **Trachi-Naze** raises the air temperature within the trachea significantly – by up to 44% compared with no protection.



Humidity
The combination of warmth and humidity is vital for tracheal mucosa stability. Wearing **Trachi-Naze** increases humidification by up to 50% compared with patients having no protection, at a room temperature of 20°C.



Airway resistance
Resistance in the upper airway plays an important part in the respiratory process. Resistance contributes to efficient lung function. Normal resistance is 0.37kpa, but laryngectomees without protection have virtually no airway resistance. **Trachi-Naze** can put back almost all the lost airway resistance when the Night filter is fitted.



Oxygenation
Improved respiration occurs when wearing **Trachi-Naze** filter cassettes. Results have shown a 20% increase in oxygenation. This is due to the lung pressure provided (airway resistance) by the blue and green filter cassettes.

Filtration
The nose is highly efficient as a filter. **Trachi-Naze** is almost as effective as the nose in filtering bacteria, dust and dirt particles out of the air. Without efficient filtration these particles would enter the lungs.

These measurements were taken in a controlled clinical situation with a room temperature of 20°C. Graphs for diagrammatic representation. Not to scale

Frequently asked questions...answered

TRACHI-NAZE

How soon will I feel the benefits?
Normally within 24-48 hours, although some patients experience the benefits immediately.

Which Baseplate should I use?
If you have a smooth, round, flat stoma, the small baseplate should be sufficient. If you are using a voice prosthesis, a good seal on your skin is vital, so the larger baseplate is recommended to ensure a larger area of adhesion. For uneven, recessed or difficult stomas, a non-woven baseplate with a stronger adhesive layer is available.

How is the Baseplate attached?
The appropriate baseplate is initially pressed gently around the stoma to ensure as flat a contact as possible – particularly important if you are using a voice prosthesis. After 2-3 minutes, the warmth of your skin will transfer to the baseplate and increase its adhesion.

How often should I change the Baseplate?
On average, every 2-3 days.

Is the condition of my skin important?
Your skin should be dry and clean before the baseplate is attached. Do not rush the process and use protective skin wipes to increase the adhesion. If your skin is sore, these wipes will also help cover it with an extra layer of protective adhesive – and when the baseplate is detached it is this layer that is removed rather than skin cells.

How often should I change the filters?
After the initial 'bedding in' period, filters are changed twice a day (so that you use one day and one night filter). During the initial period, however, when mucus production normally increases, the filters may be changed 5-6 times daily. The disposable filter discs cannot be cleaned.

TRACHI-NAZE PLUS

How long will the stoma stud stay in place?
The stud will normally be removed when you need to change the filter cassette and when cleaning the stoma stud. The filter cassettes will often be changed every 12 hours. We recommend that the stoma stud be cleaned daily.

How long will the stoma stud last before using a new one?
With regular cleaning and care the stoma studs are designed to last 4-6 weeks. It is possible that during this time some discolouring will occur. The stoma studs should be replaced with new ones after this time, for hygiene and safety reasons.

How soon after surgery can the Trachi-Naze +Plus System be used?
Trachi-Naze +Plus can be used a few days after surgery, being non adhesive there are less problems to manage with skin issues. The stoma studs should only be used if there is no broken tissue around the stoma. The stoma stud can be used during radiotherapy.

Will the stoma stud come out if I cough?
For comfort and safety it is important that the stoma stud fits comfortably and snug into the stoma - not tight. This is to help prevent pressure problems against the tracheal mucosa. If severe coughing does occur, it is possible that the stoma stud will be expelled. However, it is safer to have a close fitting stud rather than have the stud 'locked' into the stoma.

What length of Stoma Stud should I use if I wear a voice prosthesis?
The shorter length is commonly used where voice prosthesis are fitted. The shorter length is designed so that the rim of the stud does not interfere with the voice prosthesis. However, the longer length may be beneficial to provide tracheal support. The longer length stud shaft will need to be fenestrated (creating an opening) to line up the opening in the stud to the voice prosthesis, so air can enter the prosthesis. By using the measuring guide, the clinician will be able to advise the best length required.

Trachi-Naze Clinical References

- The following papers and abstracts may prove useful.
- Resistance, humidity and temperature of the tracheal airway**
R.D.R. McRae, A.S. Jones, P. Young & J. Hamilton (Liverpool), Clinical Otorhinolaryngology 1995 Pages 355/356
 - Raising airway resistance in laryngectomy increases tissue saturation, clinical otolaryngology**
August 1996, Vol 21 366-368 D. McRae, P. Young, J. Hamilton & A. Jones.
 - The following papers have been submitted but not yet published.
 - A study of a resistive heat moisture exchanger (Trachi-Naze) on pulmonary function in patients who have undergone a laryngectomy: a randomised control trial of 50 patients studied over a six-month period.**

- A.S. Jones MD FRCS, P.E. Young BSc MRCSLT, Z. B. Hanafi FRCS, Z. G. G. Makura FRCS, J.E. Fenton FRCS, J.P. Hughes FRCS Department of Otolaryngology/Head & Neck Surgery, University of Liverpool
- Respiratory care after laryngectomy - more than just heat and moisture**
Pam Young, Speech Therapist Royal Liverpool Hospital

Trachi-Naze Video Guide

A video guide to the benefits and use of the **Trachi-Naze** system is available from Kapitex Healthcare. Contact customer care on 01937 580211

Trachi-Naze and Trachi-Naze +Plus - look forward to better breathing!

Baseplate options

		Order Code
Hydrocolloid baseplate	Small size. Pack of 10	LA NNZ 0004A
	Large size. Pack of 10	LA NNZ 0005
Non-woven adhesive plaster for extra adhesion	Large size. Pack of 10	LA NNZ 0006
Clear, round adhesive baseplate	Pack of 10	LA NNZ 0007

Filter Cassette Packs

Night Filter (Blue)	Nighttime filter cassette pack of 30	LA NNZ 0001A
Day Filter (Green)	Daytime filter cassette pack of 30	LA NNZ 0002A
Active Filter (Orange)	Active filter cassette pack of 30	LA NNZ 0003A

Trachi-Naze Hands Free Valve

		Order Code
Type A Hands Free Valve	Both type A and type B valves are suitable for use with the Trachi-Naze and Trachi-Naze Plus Systems	LA TNV 1001
Type B Hands Free Valve		LA TNV 2001

Shower Shield

	LA TNP 4001
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Starter pack

Patient Introductory Pack
18 filter cassettes, (6 blue, 6 green, 6 orange) 4 baseplates (1 small hydrocolloid baseplate, 1 large hydrocolloid baseplate, 1 non-woven and 1 clear), 3 occlusion caps
Order Code LA NNZ 1111

Prescription Information

- Trachi-Naze and Trachi-Naze Plus filter cassettes along with Baseplates and Trachi-Naze Plus Stoma Studs (non-adhesive baseplates) are available on NHS prescription.
- An application has been made to the Department of Health for the Trachi-Naze Hands Free Valve to be on NHS prescription

Stoma Studs

	shaft Length mm	Size ID mm	Size OD mm	Pack Size	Order Code
Trachi-Naze Plus Short	14.5	8	10.5	pack of 2	LA TNP 2001
Trachi-Naze Plus Short	14.5	10	12.5	pack of 2	LA TNP 2002
Trachi-Naze Plus Short	14.5	12	14.5	pack of 2	LA TNP 2003
Trachi-Naze Plus Short	14.5	14	16.5	pack of 2	LA TNP 2004
Trachi-Naze Plus Short	14.5	16	18.5	pack of 2	LA TNP 2005
Trachi-Naze Plus Long	22.5	8	10.5	pack of 2	LA TNP 3001
Trachi-Naze Plus Long	22.5	10	12.5	pack of 2	LA TNP 3002
Trachi-Naze Plus Long	22.5	12	14.5	pack of 2	LA TNP 3003
Trachi-Naze Plus Long	22.5	14	16.5	pack of 2	LA TNP 3004
Trachi-Naze Plus Long	22.5	16	18.5	pack of 2	LA TNP 3005

Filter Cassette Packs

Night Filter (Blue)	Nighttime filter cassette pack of 30	LA TNP 1001
Day Filter (Green)	Daytime filter cassette pack of 30	LA TNP 1002
Active Filter (Orange)	Active filter cassette pack of 30	LA TNP 1003

Starter Pack For Clinicians

Clinician Introductory Pack	Comprising all 10 sets of Stoma Studs, 1 box of each type of filter cassette	LA TNP 1111
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Tracheostomy Tube Attachment	pack of 2 complete with shower shield	LA TNP 5001
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Instructional Video	AF VID 0001 PAL (UK)	AF VID 0002 NTSC (US)
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Instructional CD	AF KCD 0001
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Laryngectomy Tube

Order Code	Cannula length (mm)	ID (mm)	OD (mm)
LA TNL 0820	20	8.0	10.5
LA TNL 0830	30	8.0	10.5
LA TNL 0840	40	8.0	10.5
LA TNL 0850	50	8.0	10.5
LA TNL 0860	60	8.0	10.5
LA TNL 1020	20	10.0	12.5
LA TNL 1030	30	10.0	12.5
LA TNL 1040	40	10.0	12.5
LA TNL 1050	50	10.0	12.5
LA TNL 1060	60	10.0	12.5
LA TNL 1220	20	12.0	14.5
LA TNL 1230	30	12.0	14.5
LA TNL 1240	40	12.0	14.5
LA TNL 1250	50	12.0	14.5
LA TNL 1260	60	12.0	14.5
LA TNL 1420	20	14.0	16.5
LA TNL 1430	30	14.0	16.5
LA TNL 1440	40	14.0	16.5
LA TNL 1450	50	14.0	16.5
LA TNL 1460	60	14.0	16.5

KAPI-GEL Tracheostoma Spacers

LA TNG 2008	Kapi-Gel THIN 3mm	8mm pack of 10
LA TNG 2012	Kapi-Gel THIN 3mm	12mm pack of 10
LA TNG 4008	Kapi-Gel THICK 5mm	8mm pack of 10
LA TNG 4012	Kapi-Gel THICK 5mm	12mm pack of 10

Due to continuous product improvements it may be necessary to alter without notice products within our range. We endeavour to keep all customers informed of product improvements. Trachi-Naze is a registered trademark of Kapitex Healthcare Ltd. Worldwide Patents coverage.



Further information relating to Trachi-Naze and other products offered by Kapitex can be found on our website

www.kapitex.com

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Tracheostomy, Dysphagia and
Airway Management