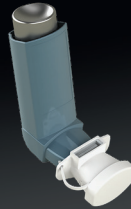


Peak Expiratory Flow



Inhaler Technique Training



Peak Inspiratory Flow



Digitalisation



Spacer



Nebulisation



Mucus Clearance



PRODUCT CATALOGUE

Clement Clarke International

Tradition and Innovation - Visionary thinking and a fascination with technology have guided us throughout our history to develop innovative products of outstanding reliability: Anticipating trends to improve the quality of life.

CLEMENT CLARKE
INTERNATIONAL

MEDICAL DEVICES

CLEMENT CLARKE INTERNATIONAL

‘Gold Standard’ for the accuracy of peak flow measurement

Clement Clarke International has been a major force in the manufacturing of innovative medical instrumentation worldwide since its formation in 1917. As part of the Haag-Streit Group of companies, Clement Clarke has focused on developing the highest quality products to strengthen its portfolio.

Clement Clarke’s expertise in peak flow monitoring has led to the development of strong brands, such as Mini-Wright, Airzone and In-Check. The Mini-Wright Standard is recognised in the industry as ‘the gold standard’ for the accuracy of peak flow measurement.

The Mini-Wright range is supported by over 200 published papers and exported to over 50 countries worldwide. The company’s portfolio consists of medical devices which help to diagnose, monitor and treat the following respiratory diseases: asthma, COPD, cystic fibrosis, bronchiectasis, allergic rhinitis and emphysema.

Clement Clarke are currently in a powerful position to support medical professionals through the integration of innovation, precision engineering, information technology and service excellence. The company takes a strategic approach to innovative product development and is continually working to provide good quality, efficient and up-to-date medical devices that meet all current needs and requirements of today’s professionals.

QUALITY ASSURANCE

Clement Clarke have been certified as meeting the requirements of ISO 13485, for the design and manufacture of peak flow meters, nebuliser systems, oxygen therapy, valved holding chambers, spacers and masks. Clement Clarke’s further accreditations include meeting the European Medical Device and the Medical Device Single Audit Program (MDSAP) requirements. Such accreditations highlight the strength of quality management systems that Clement Clarke have in place, which reflect the standard of quality across all products and services.

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01. Peak Expiratory Flow

PIONEER OF THE FIRST PEAK FLOW METER

Clement Clarke International

Clement Clarke’s flagship range of peak flow meters are the first choice for healthcare professionals when it comes to the measurement of peak expiratory flow. The first Mini-Wright was introduced in the 1970s as the far simpler and smaller successor to the Wright Peak Flow Meter. The Mini-Wright as a brand is recognised on a global scale. Each device is individually calibrated. If you’re looking for quality, you’re looking for a Mini-Wright.

Peak flow meters allow patients to monitor their asthma; Peak Expiratory Flow (PEF) is a measurement of how fast a patient can blow out. When a patient is well, PEF is higher; when the airways are narrow (as with asthma) PEF is lower. Recording and plotting PEF values facilitates diagnosis and management of asthma.

Accessories Available

Disposable One-Way Valve Mouthpieces - EXPIRATORY	5 x 20	3122062	
Disposable One-Way Valve Mouthpieces - EXPIRATORY	200	3122064	
Disposable One-Way Valve Mouthpieces - EXPIRATORY	500	3122066	
Paediatric Adaptor (For one-way valve)	20	3122120	
Universal Adult Mouthpiece	1	3103051	
Universal Adult Mouthpiece	15	3103095	
Universal Paediatric Mouthpiece	1	3104049	
Airzone Windmill Trainer	50	3104262	
Mini-Wright AFS Windmill Trainer	50	3104272	

Infection control when using multi-patient devices

Infection control has become a critical issue in health care. Clement Clarke offer a wide range of mouthpieces, designed to minimise cross infection between patients, making many devices safe for multi-patient use. All infection control products fit the entire Mini-Wright range and have no effect on readings.

Please note: A new mouthpiece should be used for each patient.

MINI-WRIGHT™ STANDARD

The 'Gold Standard' in asthma management

MINI-WRIGHT™ STANDARD

Product overview

The market-leading peak flow meter was pioneered by Clement Clarke International in the early 1970s; the Mini-Wright peak flow meter is known as the 'Gold Standard' in asthma management. The Mini-Wright Standard is lightweight and portable; peak flow measurements can be taken with ease and whilst on the go. Measuring PEF between 60-880 L/min, the Mini-Wright Standard is available with two different scales, colour coded for easy recognition; ATS scale (tested to the American Thoracic Society standard) and an EU scale (tested to the European standard).

SUMMARY

Product features and benefits

- Lightweight and portable
- Available with ATS and EU scales
- Individually calibrated for accuracy
- Easy to read scale
- Robust and proven design
- Simple to clean
- Wide range of consumables available to minimise cross infection

UTILITY

What is this product used for?

The Mini-Wright Standard is predominantly used for taking peak flow measurements and for asthma management.

ORDERING

Part codes

Mini-Wright Standard EU scale (UK pack):	3103388
Mini-Wright Standard EU scale (Export pack):	3103387
Mini-Wright Standard ATS scale:	3103085

MINI-WRIGHT AFS™ LOW RANGE

Useful for patients with a lower peak flow

MINI-WRIGHT AFS™ LOW RANGE

Product overview

Having set the standard with the Mini-Wright Standard, the AFS Low Range peak flow meter provides the same level of accuracy and consistency to those patients with lower peak flow monitoring requirements. Particularly useful for very young children, the elderly and patients with severe air flow obstruction. The Mini-Wright AFS Low Range measures peak expiratory flow between 30-400 L/min.

SUMMARY

Product features and benefits

- Available with ATS and EU scales
- Useful for children, elderly and patients with severe air flow obstruction
- Individually calibrated for accuracy
- Incorporates Aerodynamic Flow System (AFS)
- Easy to read scale
- Simple to use
- Readings can be taken on the move
- Compact for portability
- Incentive trainer available, useful for children

UTILITY

What is this product used for?

Particularly useful for patients who have a typically low peak flow reading. By reducing the range of the scale, this device enables readings to be more accurate for low readings in comparison to a scale on a larger peak flow meter.

ORDERING

Part codes

Mini-Wright AFS EU scale (UK scale):	3104708
Mini-Wright AFS EU scale (Export scale):	3104710
Mini-Wright AFS ATS scale:	3104050
AFS Windmill Trainer (50):	3104272



Mini-Wright™ Standard with mouthpiece



Mini-Wright AFS™ Low Range with mouthpiece

AIRZONE™

Pocket-sized peak flow meter, with zoning system

AIRZONE™

Product overview

Pocket-sized peak flow meter is suitable for both adults and children, it features a special zoning system which allows safe and accurate self-management. The Airzone is individually calibrated to ensure accuracy and reliability, all at an affordable price. This portable peak flow meter includes a handle, for easy use. Available with both ATS and EU scales. The Airzone measures peak expiratory flow between 60-720 L/min ATS and 60-800 L/min EU.

SUMMARY

Product features and benefits

- Available with ATS and EU scales
- Suitable for adults and children
- Individually calibrated for accuracy
- Conforms to NAEP guidelines
- Lightweight and compact
- Handle attached for easy use
- Zoning system allows self-management
- Incentive trainer available, useful for children

UTILITY

What is this product used for?

The Airzone is designed for patients on the move. A pocket-sized peak flow meter with the same accuracy as a Mini-Wright Standard, with the additional functionality of a zoning system for easy self-management.

ORDERING

Part codes

Airzone EU scale in a box:	3130160
Airzone ATS scale in a box:	3130057
Airzone Windmill Trainer (50):	3104262

WINDMILL TRAINERS

Interactive tool

WINDMILL TRAINERS

Product overview

The Windmill Trainer is an incentive tool designed to help encourage children to give a good peak flow reading by injecting some fun into peak flow measuring. The air that exits the peak flow meter hits the Windmill Trainer and spins it around. A greater flow rate is required to make the windmill spin the further away from the mouthpiece it is positioned. By progressively moving the Windmill Trainer further along the peak flow scale, the patient will reach their optimum peak flow measurement. There are two different versions of the Windmill Trainer available: the Airzone and Mini-Wright Low Range Peak Flow Meters.

SUMMARY

Product features and benefits

- Versions for both the Airzone and AFS Peak Flow Meters
- Ideal for teaching peak flow technique to children
- Reduces variability in readings
- Clips easily onto AirZone and AFS Peak Flow Meters
- Adds an element of 'fun'
- Saves time

UTILITY

What is this product used for?

The Windmill Trainer is designed to help encourage children to give a good peak flow reading by injecting some fun into peak flow measuring.

ORDERING

Part codes

Airzone Windmill Trainer (box of 50):	3104262
AFS Windmill Trainer (box of 50):	3104272



Airzone™ with Windmill Trainer



Windmill Trainer



02. Digitalisation

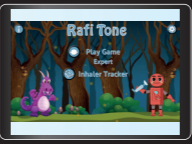

MAKING INHALERS SMARTER WITH SOUND RESPONSE®

Using inhalers isn't always simple

Many people with asthma and other respiratory conditions can find it difficult to use their inhalers effectively. Sound Response® technology provides a solution to this challenge that anyone with a mobile phone or tablet can use. Rafi-Tone is the first app designed to make giving inhalers to children that bit easier.

Clement Clarke International have worked together with Clin-e-Cal, alongside clinicians to meet the needs of patients. Sound response® technology appears simple, utilising the power of a mobile phone or tablet's microphone, but behind it all a complex algorithm is at work. Clin-e-Cal have developed 2 different apps; Rafi-Tone, available to help a child with the use of their spacer and inhaler, and Trainhaler Buddy, to help healthcare professionals guide correct inhaler technique.

App Comparison

	Able Spacer and positive whistle mask	Trainhaler / Flo-Tone attached to pMDI
	Rafi-Tone	Trainhaler Buddy
		
Compatibility	Able Spacer and positive whistle mask	Trainhaler / Flo-Tone attached to pMDI
Intended user	Patient - children aged 2-5 years	Healthcare professional - Adult
Available from	iTunes and Google play	iTunes and Google play

Clement Clarke International and Clin-e-cal understand that clinicians are busy and want to do the best for their patients. The range of inhalers available and the different techniques needed can make things complex. This technology offers the opportunity to simply and quickly talk about inhaler technique with patients, all using low-cost hardware and the power of your mobile phone or tablet.

For young children, Rafi-Tone can help children accept the medication and parents to understand the importance of an effective technique, allowing you to concentrate on other aspects of your patient's care.

Trainhaler Buddy focuses on pMDI technique, training inhalers and real time visual feedback to guide the effective technique and embed the habit which can then be transferred to the active inhaler.

RAFI-TONE APP

Interactive game to help children with their inhaler and spacer

RAFI-TONE APP

Product overview

Rafi-Tone App is an interactive game developed to make using a spacer more fun. Combining the latest technology with a liberal dose of fun and colour, it has been shown to make spacer use more enjoyable. Rafi-Tone app works alongside the Able Spacer with Positive Whistle Mask. When a good seal and adequate flow of breath is achieved, a whistle sounds. The app listens for a specific sound, using innovative Sound Response® technology and operates a fun and engaging game in response. The app includes an inhaler tracker, this allows users to easily create a record of their inhaler use; particularly useful for asthma-management.



SUMMARY

Product features and benefits

- Free to download
- Fun, engaging game
- Child training tool
- Inhaler tracker, monitors adherence
- Confirms correct mask seal

UTILITY

What is this product used for?

Rafi-Tone with Able Spacer and positive whistle mask is an inhaler technique training tool; correct breathing produces a musical note that activates the fun and colourful app. This encourages the child to use their inhaler and spacer correctly, teaching them the correct inhalation technique.

ORDERING

Part codes

Able Spacer with small whistle mask (boxed):	3609121
Able Spacer with Medium whistle mask (boxed):	3609122
Small whistle mask (box of 50):	36091482
Medium whistle mask (box of 50):	36091602



TRAINHALER BUDDY APP

Clinical inhaler technique training tool

TRAINHALER BUDDY APP

Product overview

Trainhaler Buddy is a companion app to the Trainhaler pMDI training system. Trainhaler is a pMDI training system which provides flow and co-ordination coaching. A simple device containing no medication or aerosol, Trainhaler is also multi-patient use. Trainhaler Buddy provides real-time visual feedback on inhalation technique. By listening to and interpreting the acoustic signal emitted by the Trainhaler pMDI training systems whistle the app triggers an animation which encourages the user to continue inhaling slowly and gently until the lungs feel full. Trainhaler buddy is also compatible with Flo-Tone Trainer, Flo-Tone Trainer CR and Flo-Tone MDI for on-device, on-going training.



SUMMARY

Product features and benefits

- Free to download
- Clinical inhaler technique training tool
- Trainhaler Buddy provides real-time visual feedback on inhalation technique
- Making inhalers smarter with Sound Response® Technology

UTILITY

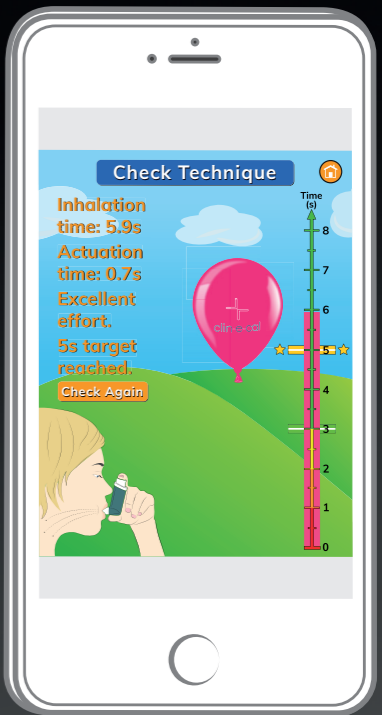
What is this product used for?

Trainhaler Buddy app is designed to be used to train patients in effective technique, that can then be transferred to their own active inhaler.

ORDERING

Part codes

Trainhaler CR with Flo-Tone CR Trainer (pack of 1)	3152083
Trainhaler (white) + Flo-Tone Trainer (pack of 1)	3152070
Flo-Tone CR Trainer (pack of 10)	3152011
Flo-Tone Trainer Regular (pack of 10)	3152002





03. Inhaler Technique Training

INNOVATIVE PRODUCT DEVELOPMENT

The misuse of inhalers is common

There have been many papers published detailing the misuse of dry powder (DPI) and pressurised metered dose inhalers (pMDIs) among patients. Clement Clarke have used their expertise to concentrate on this area and have introduced a number of new products. Each device is targeted at the training of inhalation technique, guiding patients to inhale at the correct flow rate for inhaler use.

Inhaler technique errors occur in the hands of patients and healthcare professionals. It has been determined that the majority of healthcare professionals cannot demonstrate correct inhaler use to their patients. It is not therefore surprising that patients are mostly unable to demonstrate good inhaler technique. The consequences are significant; patients take additional or higher strength doses to compensate for lack of efficacy from medication lost through poor technique, this results in poorer control, hospitalisation and increased health care costs.

Accessories Available

Disposable One-Way Valve Mouthpieces - INSPIRATORY	5 x 20	3122061	
Disposable One-Way Valve Mouthpieces - INSPIRATORY	200	3122063	
Disposable One-Way Valve Mouthpieces - INSPIRATORY	500	3122065	
Paediatric Adaptor (For one-way valve)	20	3122120	
Universal Adult Mouthpiece	1	3103051	
Universal Adult Mouthpiece	15	3103095	

Infection control when using multi-patient devices

Infection control has become a critical issue in health care. Clement Clarke offer a wide range of mouthpieces, designed to minimise cross infection between patients, making many devices safe for multi-patient use. All infection control products fit the entire In-Check range and have no effect on readings.

Please note: A new mouthpiece should be used for each patient.

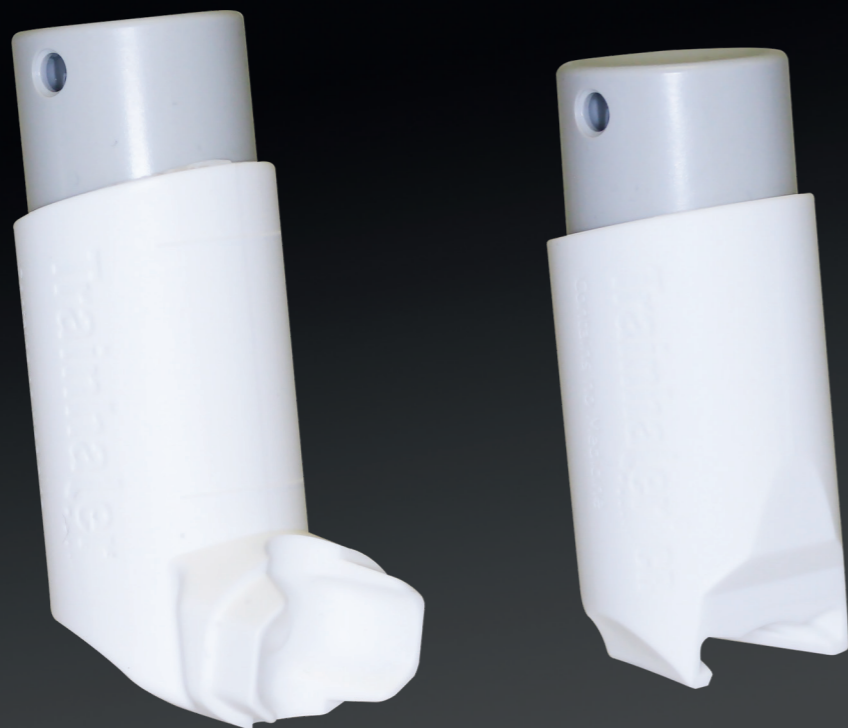
TRAINHALER® & TRAINHALER® CR - pMDI TRAINING SYSTEM

To be used with Flo-Tone™ and Flo-Tone™ CR Trainer attachments as a training aid; instead of a placebo inhaler

PMDI TRAINING SYSTEM

Product overview

Trainhaler is the first simple pMDI training system to provide flow and co-ordination coaching. It is a placebo-like pMDI training device which, with the Flo-Tone Trainer attached is an essential tool for healthcare professionals to teach inhaler technique. The Trainhaler is suitable for multi-patient use by changing the Flo-Tone Trainer for each individual patient. A whistle is heard when the patient is inhaling correctly. The start of the whistle sound is the signal to press the canister. The whistle should be maintained for 5 seconds if possible. This ensures the patient is inhaling gently and at the correct flow rate.



TRAINHALER®/TRAINHALER CR® pMDI TRAINING SYSTEM

Product overview

The Trainhaler and Trainhaler CR are essentially the same product, the difference being the Flo-Tone Trainer attachment. The regular Flo-Tone Trainer can be progressed on to being used with a patient's inhaler, as can the Flo-Tone CR Trainer. The Flo-Tone CR Trainer has the addition of the controlled resistance; this means the whistle will signal irrespective of the inhaler it is connected to. For specific information of the features of the Flo-Tone and Flo-Tone CR Trainers, please refer to the appropriate product pages.

SUMMARY

Product features and benefits

- Contains no medication
- For multi-patient use, can be cleaned easily
- Flow rate guidance with Flo-Tone/Flo-Tone CR Trainer attachments
- Actuation indicator for easy co-ordination when Flo-Tone/Flo-Tone CR Trainers are attached
- Low-cost inhaler technique trainer
- Teaches correct flow rate
- Simple non-electronic training device, can be used anywhere

UTILITY

What is this product used for?

Trainhaler and Trainhaler CR are both pMDI training systems, to be used with Flo-Tone/Flo-Tone CR Trainers as an attachment; once combined this innovative training system teaches correct pMDI technique.

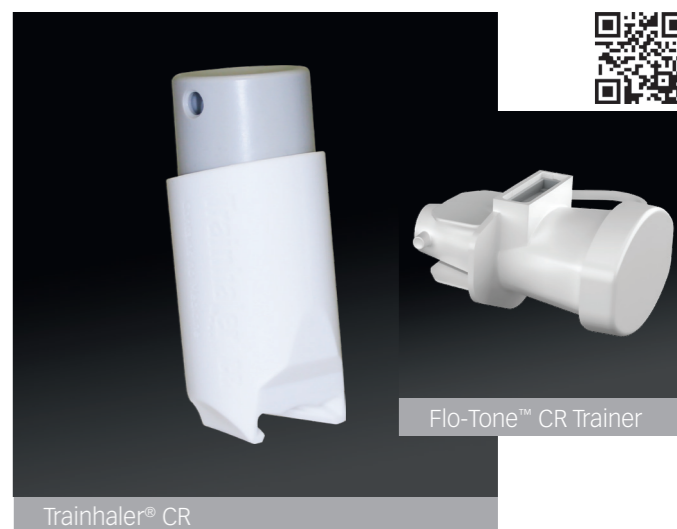
ORDERING

Part codes

Trainhaler (white) + Flo-Tone Trainer (pack of 1)	3152070
Trainhaler (blue) + 8 Flo-Tone Trainers	3152075
Flo-Tone Trainer Regular (pack of 10)	3152002
Trainhaler CR with Flo-Tone CR Trainer (pack of 1 each)	3152083
Trainhaler CR with 8 Flo-Tone CR Trainers (pack of 1 + 8)	3152084
Flo-Tone CR Trainer (pack of 10)	3152011



Compatible with Trainhaler Buddy App



FLO-TONE™ TRAINER

pMDI training aid; also Trainhaler® attachment

FLO-TONE™ TRAINER

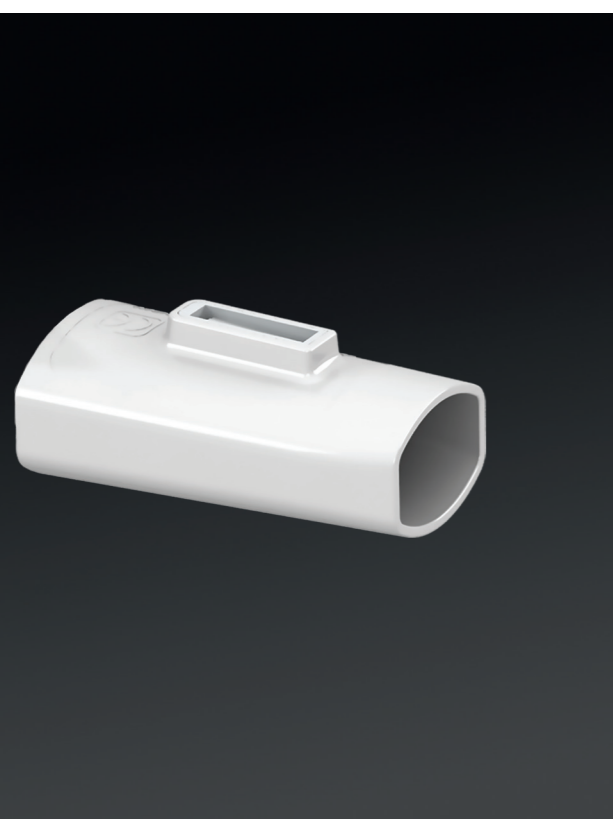
Product overview

The Flo-Tone Trainer is a training device that makes it easier for healthcare professionals to help patients achieve the correct flow rate and master inhale/actuate co-ordination. pMDIs are widely used inhalers, yet most patients do not use them correctly. Many inhale too rapidly, some cannot co-ordinate inhalation and actuation easily.

Download on the App Store

Download on Google play

Compatible with Trainhaler Buddy App



SUMMARY

Product features and benefits

- For use with placebo pMDI training inhalers
- Patients learn to inhale at the correct flow rate
- Patients learn to maintain inhalation post-actuation, to convey medication to lungs
- Whistle provides a clear positive signal to actuate
- Low-cost, simple yet effective method of inhaler technique training
- Fits many pMDIs

UTILITY

What is this product used for?

The Flo-Tone Trainer is designed to be used by healthcare professionals to coach patients, helping them to improve their inhaler technique. The whistle sounds once correct flow rate has been achieved.

ORDERING

Part codes

Flo-Tone Trainer Regular (pack of 10) 3152002

FLO-TONE™ CR TRAINER

pMDI training aid; also Trainhaler® CR attachment



FLO-TONE™ CR TRAINER

Product overview

Flo-Tone CR Trainer is the NEW and improved version of the Flo-Tone Trainer. The Flo-Tone CR Trainer has been carefully engineered to achieve additional functionality; firstly being able to fit most pMDIs, secondly ensuring that the guidance whistle will respond at the same flow rate in all pMDIs, irrespective of their individual resistance.

Download on the App Store

Download on Google play

Compatible with Trainhaler Buddy App

SUMMARY

Product features and benefits

- For use with placebo and active pMDIs
- Guides the patient to correct pMDI use (flow rate, co-ordination and duration)
- Fits most pMDIs
- Built-in controlled resistance (CR) removes variability of the pMDIs internal resistance
- Training tool; for use with a placebo pMDI or as an attachment to the Trainhaler CR
- Incorporates tethered mouthpiece cap

UTILITY

What is this product used for?

Flo-Tone CR Trainer is to be used as a training aid with a placebo inhaler, or as an attachment to the Trainhaler CR. The device assists in the training of inhaler use, in addition to being used as a spacer device; for improved drug delivery.

For Flo-Tone MDI, mini-spacer see page 30

ORDERING

Part codes

Flo-Tone CR Trainer (pack of 10) 3152011
Flo-Tone CR Trainer (Bulk Pack) 3152013



CLIP-TONE™ E

Establishes patient confidence in technique



CLIP-TONE™ E

Product overview

Clip-Tone E is a guidance tool designed to improve inhaler technique. The clip-on device fits around the canister at the top of the inhaler and does not change medication delivery. As the user inhales slowly and steadily the Clip-Tone E emits a gentle guiding whistle, this helps guide co-ordination of actuation and duration of inhalation through the inhaler. Clip-Tone E is only suitable for Evohaler® devices.

SUMMARY

Product features and benefits

- Low-cost, yet effective
- Inhaler technique guidance tool
- Improves inhaler technique
- Patients learn to inhale at the correct flow rate
- Does not change medication delivery
- Compatible with Evohaler® devices only
 - other formats in development
- Inhaler technique training on the go
- Establishes patient confidence in technique

UTILITY

What is this product used for?

Clip-Tone E is intended for use by patients over 10 years of age receiving inhaled medication by Evohaler (Ventolin®, Seretide® or Flixotide®). It is designed to help them use their Evohaler correctly and receive feedback. Clip-Tone E comes in packs of 2: Clip-Tone E insert x 2, Tail x 2 and an instruction sheet.

ORDERING

Part codes

Clip-Tone E (pack of 2)

31510572



FLO-CHECK

Stops the risk of over-medicating whilst training

FLO-CHECK

Product overview

The Flo-Check is a pMDI disposable occlusion mouthpiece that permits patient inhaler technique training without risk of cross-infection from placebo or active pMDIs and stops the risk of over-dosing on medication.

SUMMARY

Product features and benefits

- Facilitates visual assessment of pMDI technique
- Facilitates multi-patient use of placebo pMDI without risk of cross infection
- Fits most pMDI shapes
- Single use - disposable
- Resistance matched to standard pMDI
- Low cost simple solution

UTILITY

What is this product used for?

Inhaler technique training can be conducted with ease, from patient to patient using the same inhaler or placebo inhaler, without any risk of cross-infection. Flo-Check provides healthcare professionals with a low cost option when training patients, teaching them to use their inhalers correctly or reviewing their current inhaler.

ORDERING

Part codes

Flo-Check (pack of 10)

3152350

Flo-Check (pack of 10) with Trainhaler CR

3152351



Flo-Check - with placebo inhaler

IN-CHECK™ M

Inhalation airflow meter

IN-CHECK™ M

Product overview

The In-Check M is an inhalation airflow meter that can help educate and assess patients who use a pMDI device. Pressurised inhaler devices are designed to deliver medication to the respiratory tract. The speed of inhalation through them (the inspiratory flow) can have significant effect on the quantity of drug delivered and the clinical efficacy of the product. In-Check M has been developed from the In-Check DIAL, the device is specific to pMDI use and simulates the pMDI format only. The In-Check M measures inspiratory flow between 15 -120 L/min.

SUMMARY

Product features and benefits

- Individually calibrated for absolute accuracy
- Easy to clean by simple washing
- pMDI specific; suitable for inhaler technique training
- Use with one-way valve mouthpiece to minimise cross infection
- Describes correct technique for pMDI and clinical effective range

UTILITY

What is this product used for?

The In-Check M is used for pMDI inhaler technique training; patients can be coached by healthcare professionals to achieve appropriate inhalation airflow.

ORDERING

Part codes

In-Check M

3109831



IN-CHECK™ DIAL G16

Coaching patients to achieve correct inhaler technique



IN-CHECK™ DIAL G16

Product overview

In-Check DIAL G16 has been revised, now grouping inhalers as a function of their internal airflow resistance, in order to accommodate information on an increasing number of new devices. There are six resistance groups, five of which relate to dry powder inhalers (DPIs) the other to pressurised metered dose inhalers (pMDIs). A guide to identify the resistance group for each inhaler is provided on the In-Check DIAL G16 and in the associated guide. The In-Check DIAL G16 can still be used to measure a specific flow rate of a particular inhaler through the use of a specific restrictive adapter.

SUMMARY

Product features and benefits

- Groups inhalers as a function of their internal airflow resistance, accommodating new inhaler devices
- Individually calibrated for accuracy
- Easy to clean, by simple washing
- To coach DPI or pMDI inhaler technique
- Patients learn to inhale at the correct flow rate
- Inhaler training can be conducted quickly
- Low-cost, simple yet effective method of inhaler technique training
- Use with one-way valve mouthpiece to minimise cross infection

UTILITY

What is this product used for?

Many patients do not use their inhalers correctly, often failing to inhale at the correct flow rate. Good inhaler use depends on inspiratory flow in an important way. In-Check DIAL G16 enables the healthcare professional to coach their patients on how to use their inhaler correctly.

ORDERING

Part codes

In-Check DIAL G16

3109300





04. Peak Inspiratory Flow

INSPIRATORY FLOW

Airflow measurement

The In-Check Nasal/Oral hand-held inspiratory flow meter is a direct result of Clement Clarke’s experience in measuring airflow. Clement Clarke are continually working with clinicians to improve their application of simple inspiratory flow measurements, for the appropriate selection and efficient use of inhalers; the measurement of inspiratory capability in COPD patients and in the area of inhaler technique training.

Accessories Available

Disposable One-Way Valve Mouthpieces - INSPIRATORY	5 x 20	3122061
Disposable One-Way Valve Mouthpieces - INSPIRATORY	200	3122063
Disposable One-Way Valve Mouthpieces - INSPIRATORY	500	3122065
Paediatric Adaptor (For one-way valve)	20	3122120
Universal Adult Mouthpiece	1	3103051
Universal Adult Mouthpiece	15	3103095



Infection control when using multi-patient devices

Infection control has become a critical issue in health care. Clement Clarke offer a wide range of mouthpieces, designed to minimise cross infection between patients, making many devices safe for multi-patient use. All infection control products fit the entire In-Check range and have no effect on readings.

Please note: A new mouthpiece should be used for each patient.

IN-CHECK™ NASAL

Measuring inspiratory flow through the nasal passage

IN-CHECK™ NASAL

Product overview

The In-Check Nasal is a portable inspiratory flow meter, which measures the changes in lung function. The device measures inspiratory flow through the nose between 30-370 L/min. This product enables the physician to judge the degree of obstruction and helps assess the benefits of therapeutic intervention, by providing an objective assessment of nasal airway patency.



SUMMARY

Product features and benefits

- Measures inspiratory flow through the nose
- Accurate assessment of nasal congestion
- Individually calibrated to ensure accuracy
- Can be used during assessment of allergic rhinitis
- Lightweight and easy to use
- Portable

UTILITY

What is this product used for?

The In-Check Nasal is a simple device that measures nasal passage obstruction and offers an inexpensive alternative to Rhinomanometry.

ORDERING

Part codes

In-Check Nasal with medium mask	3109751
Medium mask (pack of 1)	3109753

IN-CHECK™ ORAL

Inspiratory flow meter, measuring lung function changes

IN-CHECK™ ORAL

Product overview

The In-Check Oral is a portable inspiratory flow meter, which measures the changes in lung function. The device measures inspiratory flow through the mouth between 30-370 L/min. This product enables the physician to judge the degree of obstruction and helps assess the benefits of therapeutic intervention. One-way valve mouthpieces are available to help minimise cross infection.

SUMMARY

Product features and benefits

- Measures inspiratory flow through the mouth
- Suitable tool for screening COPD
- Individually calibrated for absolute accuracy
- Lightweight and easy to use

UTILITY

What is this product used for?

Inspiratory flow is considered by a number of physicians to be a sensitive marker for bronchodilator efficacy screening in COPD.

ORDERING

Part codes

In-Check Oral	3109750
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In-Check™ Nasal with Face Mask

In-Check™ Oral with mouthpiece



05. Spacers



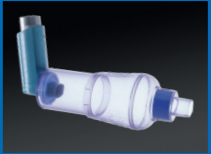

IMPROVING DELIVERY AND REDUCING THROAT DEPOSITION

Valved holding chambers (VHC)

Spacers are designed to facilitate the delivery of pressurised Metered Dose Inhalers (pMDIs) by eliminating the need for co-ordination, thus improving delivery and reducing throat deposition. Such devices are particularly useful for:

- Patients with poor inhalation technique
- Children
- Sufferers of nocturnal asthma
- Patients prone to develop candidiasis (oral thrush)

Model Comparison

	Trainer	Emergency application	Long term application	
	Flo-Tone™ MDI	DispozABLE™	A2A™	ABLE SPACER™
				
Features				
Collapsible	x	x	✓	x
Whistle	✓	x	x	x
Whistle can be attached	x	✓	✓	✓
Material				
Anti-bacterial/microbial	x	x	✓	✓
Low-static properties	x	✓	✓	✓

FLO-TONE™ MDI

Mini-Spacer, signals correct pMDI flow rate

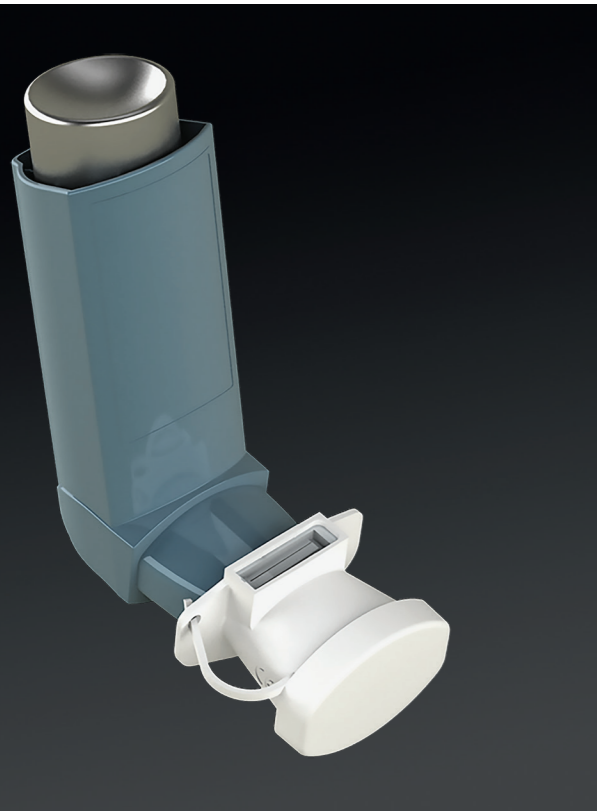


FLO-TONE™ MDI SPACER

Product overview

Flo-Tone MDI extends the possibilities of the Flo-Tone CR TRAINER by providing initial training guidance, on-going training and by acting as a mini-spacer, reducing unwanted oro-pharyngeal deposition. With Flo-Tone CR attached to the pMDI, the patient’s gentle inhalation causes a whistle to sound. This is the signal to actuate the inhaler. As the patient maintains the whistle the medication is drawn deep into the lungs. Flo-Tone MDI is to be used with an active drug.

Compatible with Trainhaler Buddy App



SUMMARY

Product features and benefits

- Guides the patient to correct pMDI use (flow rate, co-ordination and duration)
- Improves inhaler technique
- Fits most pMDIs
- Built-in controlled resistance (CR) removes variability of the pMDIs internal resistance
- Delivers full lung dose and reduces throat impact
- Can be used as a mini-spacer; pMDI attachment
- Helps reinforce inhaler training
- Incorporates tethered mouthpiece cap

UTILITY

What is this product used for?

Flo-Tone MDI is designed to be used by the patient, together with their inhaler; helping them to improve their inhaler technique. Also, acting as a mini-spacer, reducing unwanted oro-pharyngeal deposition.

ORDERING

Part codes

Flo-Tone MDI (pack of 2)	3152001
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DISPOZABLE™ SPACER

Low cost, fast response spacer



DISPOZABLE™ SPACER

Product overview

DispozABLE Spacer has been designed to meet a specific market need. It is a low cost, fast response spacer for delivering medication promptly. It is designed to be used straight from the box without pre-washing in an emergency situation, for example in an ambulance or school. DispozABLE Spacer is a single use spacer, it’s simple intuitive design allows non-professionals to assemble it quickly. Clear pictorial instructions are displayed on the spacer, adding to the element of ease.

SUMMARY

Product features and benefits

- Simple to use
- Effective
- For use in an emergency situation; ambulance or school
- Can be used with or without a mask
- Can be used with tidal breathing technique, assisted by Flo-Tone attachment
- Suitable for children and adults

UTILITY

What is this product used for?

Emergency use spacer, designed to be used with ease, by non-professionals. Instructions are displayed on the spacer.

ORDERING

Part codes

DispozABLE Spacer (box of 10)	3609550
DispozABLE Spacer (box of 200)	3609551



A2A™ SPACER

Collapsible, anti-bacterial/microbial spacer



A2A™ SPACER

Product overview

A2A Spacer is a collapsible valved holding chamber, which is pocket-sized when collapsed for improved portability. A2A is made from anti-bacterial/microbial, low-static, transparent plastic for improved hygiene. The device's plume shaped chamber of 210ml helps to minimise drug loss within the spacer. A2A Spacer has been designed with a visible valve movement to help parents or carers observe and confirm correct inhalation to overcome inhalation/actuation problems.

SUMMARY

Product features and benefits

- Collapsible, pocket-sized valved holding chamber
- Inhibits microbial growth
- Visible valve movement
- Low-static properties
- Accepts all pMDIs available
- 210ml, consistent with optimal performance
- Easy to clean
- Embossed graphical instructions
- Available with or without mask
- Suitable for both children and adults
- Supplied in an anti-static protective bag

UTILITY

What is this product used for?

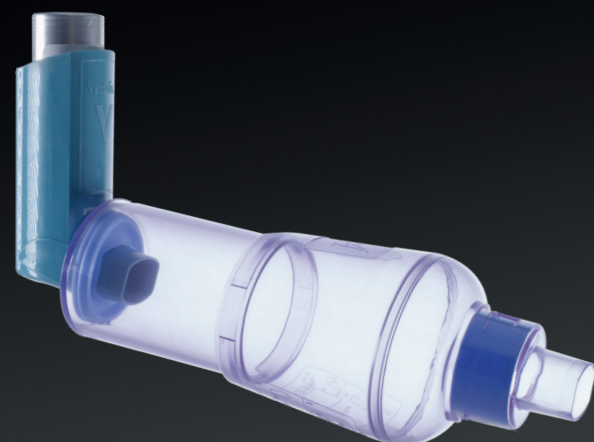
A2A Spacer is designed to help deliver medication from a pressurised metered dose inhaler (pMDI) to the lungs, by improving co-ordination and medication deposition.

ORDERING

Part codes

A2A Spacer (boxed)	3607104
A2A Spacer with small mask (boxed)	3607105
A2A Spacer with medium mask (boxed)	3607106
Small mask (pack of 1)	3609150
Medium mask (pack of 1)	3609151

Please Note: Product available in bulk upon request



A2A™ Spacer with pMDI

ABLE SPACER™

Anti-bacterial/microbial spacer



ABLE SPACER™

Product overview

Able Spacer is a popular valved holding chamber that facilitates the use of pMDI medication. Able Spacer and Mask are made from low-static transparent plastic, which incorporates anti-bacterial/microbial silver ion technology; this protects against contamination and inhibits microbial growth. This improved version of Able Spacer, manufactured in the UK, now features a two-way valve; operating at less than 10 L/min inspiratory flow. Recommended for children and COPD patients.

SUMMARY

Product features and benefits

- Inhibits microbial growth
- Low-static properties
- Two-way valve
- Visible valve movement
- 210ml, consistent with optimal performance
- Supplied in an anti-static bag
- Includes a tethered mouthpiece cap
- Available with or without mask
- Positive whistle mask option available

UTILITY

What is this product used for?

Able Spacer is designed to help patients with poor inhaler co-ordination. Able Spacer can be used with Positive Whistle Mask, which enables the use of the Rafi-Tone app. Please refer to page 10 for further information.

ORDERING

Part codes

Able Spacer (boxed):	3609120
Able Spacer with small whistle mask UK (boxed):	3609121
Able Spacer with medium whistle mask (boxed):	3609122
Able Spacer with large mask (boxed):	3609123
Small mask (pack of 1):	3609150
Medium mask (pack of 1):	3609151
Large mask (pack of 1):	3609152
Small mask (box of 50):	3607125
Medium mask (box of 50):	3607126

Please Note: Products in bulk available upon request



Compatible with Rafi-Tone App



ABLE Spacer™ with pMDI



06. Nebulisation

NEBULISERS FOR ALL PURPOSES

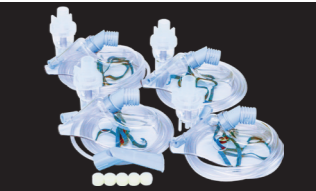
The power to deliver

When a condition such as asthma or COPD cannot be controlled by the use of metered dose inhalers (pMDIs), dry powder inhalers (DPIs) or when a large dose of medication is needed, the patient may require a nebuliser. Nebulisation is the main method of administering antibiotics in aerosol form. By combining the quality of the Lifecare Micro-Neb III medication chamber, with the reliability and performance of a Medix nebuliser, Clement Clarke can offer a customised solution for all patients requiring inhaled drug therapy.

Accessories Available

Year Packs

Adult Year Pack (Econoneb, Turboneb 2)	1	L3605122
Paediatric Year Pack (Econoneb, Turboneb 2)	1	L3605123
Adult Year Pack (AC2000)	1	L3605125
Paediatric Year Pack (AC2000)	1	L3605124
Adult Year Pack (Airmed 1000)	1	3605542
Paediatric Year Pack (Airmed 1000)	1	3605543
Adult Year Pack (Airmed Travel-Air)	1	3605545
Paediatric Year Pack (Airmed Travel-Air)	1	3605544



Each Year Pack contains: 4 x Medication Chambers, 4 x Face Masks (Adult or Paediatric), 4 x Drivelines, 1 x Mouthpiece, 1 x Outlet Filter* and 4 x Inlet Filters.






MEDICATION CHAMBER

Micro-Neb III

When respirable output is of prime importance, the Micro-Neb III is the answer. This medication chamber has been shown to perform well in comparative studies. Suitable for use with bronchodilators, inhaled steroids and antibiotics. The Micro-Neb III features an anti-spill design, as well as a self-aligning construction for the control of six critical dimensions, which ensures optimum particle size and output performance. The Micro-Neb III is available on its own, as a 'Kit' with a face mask, mouthpiece or angled mask connector to fit the Duo Mask. The paediatric version of the Micro-Neb III medication chamber features bright colours to engage the child's attention and to reduce the fear of a frightening medical device.

*Not included in Aimed or AC2000 Year Packs

Model Comparison

	Travel-Air	1000	Econoneb	AC2000	Turboneb 2
					
Power supply					
Battery operated	✓	x	x	x	x
Mains powered	✓	✓	✓	✓	✓
Nebuliser performance					
Typical dynamic flow and pressure*	5-6.7 L/min 8-10 psi	4-8 L/min 10-16 psi	7-9 L/min @138 kPa	7-9 L/min @138 kPa	9.5-10.5 L/min @138kPa
Aerosol output rate (ml per min)	0.20ml	0.20ml	0.39ml	0.38ml	0.46ml
Particle size (MMAD)	4µ	4µ	3.4µ	3.4µ	3.2µ
Product suitability					
Hospital	x	x	✓	x	✓
Clinic	x	✓	✓	✓	✓
Home	✓	✓	x	✓	x
Travel	✓	x	x	x	x
Brand name					
MEDIX / Airmed	Airmed	Airmed	MEDIX	MEDIX	MEDIX
Intended use					
Light / Medium / Heavy	Light	Medium	Heavy	Heavy	Heavy

* Micro-Neb ultrasonic frequency: Approx. 180 KHz

AIRMED TRAVEL-AIR

Low cost, portable, compact compressor nebuliser

AIRMED TRAVEL-AIR

Product overview

Low cost option for a portable compact compressor nebuliser, designed to efficiently deliver prescribed medication to the bronchial lung passages. Travel Air's lightweight design makes it ideal for portable use. The device is supplied complete with a starter pack, an AC adapter, a rechargeable battery and a travel bag.

SUMMARY

Product features and benefits

- Can be used worldwide
- Compact and lightweight
- Simple one button operation
- Portable hand-held compressor
- Rechargeable battery for mobile use; included
- Travel bag included
- Comes complete with a starter pack and universal AC adapter, ready for immediate use

UTILITY

What is this product used for?

- Nebulisation of medication for asthma and other respiratory conditions
- Suitable for patients of all ages
- Effective therapy for drug delivery

ORDERING

Part codes

Airmed Travel-Air (UK plug)	3605902
Airmed Travel-Air (EU plug)	3605903
Car adapter	3605918
Spare rechargeable battery	3605917

Includes a 2 year guarantee



Airmed Travel-Air with mouthpiece - comes with a Starter Pack

AIRMED 1000

Low cost option for a powerful compressor nebuliser

AIRMED 1000

Product overview

A low cost option for a powerful compressor nebuliser, designed to efficiently deliver prescribed medication to the bronchial lung passages. Most suitable use is in a home environment.

Includes a 2 year guarantee



SUMMARY

Product features and benefits

- Remains cool during constant use
- Compact and lightweight
- Reliable performance
- Easy carrying handle
- Comes complete with a starter pack, ready for immediate use

UTILITY

What is this product used for?

- Nebulisation of medication for asthma and other respiratory conditions
- Suitable for patients of all ages
- Effective therapy for drug delivery

ORDERING

Part codes

Airmed 1000 (UK plug)
Airmed 1000 (EU plug)
Travel bag

3605900
3605901
3605913

MEDIX ECONONEB

Continuously rated compressor nebuliser

ECONONEB

Product overview

Continuously rated, making the Econoneb a cool running compressor nebuliser for demanding use. A reliable unit that is ideal for meeting the challenges of both hospital and clinic. The Econoneb has a high flow rate which is suitable for nebulising bronchodilators (relievers), corticosteroids (preventers) and antibiotics. The Econoneb comes complete with a starter pack, ready for immediate use.

Includes a 3 year guarantee*



SUMMARY

Product features and benefits

- Reliable performance
- Compact design makes it easy to clean
- Tube holding design provides a convenient temporary holder for the nebuliser kit
- Easy to carry; the integrated handle and lightweight design allows easy carrying and good portability
- High flow rate
- Continuously rated
- Comes complete with a starter pack, ready for immediate use

UTILITY

What is this product used for?

- Nebulisation of medication for asthma, COPD and cystic fibrosis
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

ORDERING

Part codes

Econoneb (UK plug)
Econoneb (EU plug)

3605040HW
3605042HWEU

* Guarantee includes motor and pump only

MEDIX AC2000

Suitable for clinic or home use

AC2000

Product overview

This reliable compressor nebuliser offers a high flow solution that is suitable for nebulising all commonly prescribed medications for chronic and acute chest conditions. Continuously rated and designed with a storage compartment for drugs, mask and accessories. This Medix model is easy to use making it an ideal home compressor nebuliser for young children and the elderly. The AC2000 comes complete with a starter pack, ready for immediate use.

Includes a 3 year guarantee*



SUMMARY

Product features and benefits

- Ensures fast and efficient delivery of bronchodilators, corticosteroids and antibiotics
- Comes complete with a starter pack, ready for immediate use
- Discreet storage compartment allows all accessories and cable to be stored neatly
- Reliable and easy to use
- Easy carrying handle
- Continuously rated
- Shoulder bag available

UTILITY

What is this product used for?

- Nebulisation of medication for asthma, COPD and cystic fibrosis
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

ORDERING

Part codes

AC2000 (UK plug)	3605020HWA
AC2000 (EU plug)	3605022HWEU
Shoulder bag	3607691

* Guarantee includes motor and pump only

MEDIX TURBONEB 2

Highest flow rate; suitable for CF patients

TURBONEB 2

Product overview

The Turboneb 2 has the highest flow rate of all of the Clement Clarke Compressor nebulisers; ensuring fast and efficient drug delivery. It is continuously rated, making it a cool running compressor nebuliser for demanding use, such as in a multi-patient ward environment. The Turboneb 2 offers a customised solution for all patients requiring inhaled drug therapy. The Turboneb 2 does not come with a starter pack.

Includes a 3 year guarantee*

SUMMARY

Product features and benefits

- Ideal for CF patients
- Continuously rated
- Remains cool during constant use
- Powerful compressor nebuliser
- Reliable and easy to use
- Easy carrying handle

UTILITY

What is this product used for?

- Continuous use
- Nebulisation of medication for asthma, COPD and cystic fibrosis
- Suitable for patients of all ages

ORDERING

Part codes

Turboneb 2 (UK plug)	3605050HW
Turboneb 2 (EU plug)	3605052HWEU

* Guarantee includes motor and pump only



Turboneb 2 with face mask - Starter Pack not included

07. Mucus Clearance

MUCUS CLEARANCE

Effective alternative to physiotherapy

Mucus secretion and clearance are extremely important for airway integrity and pulmonary defence. If trapped mucus is not cleared, it not only makes breathing difficult, but if allowed to build up it can lead to infection and cause damage to the lungs.

In addition to conditions such as cystic fibrosis, emphysema, chronic bronchitis and COPD, the Flutter is also suitable for Bronchiectasis. Bronchiectasis is a permanent abnormal widening in one or more of the airways resulting in discomfort and potential infection.

FLUTTER®

Portable mucus clearance device

FLUTTER®

Product overview

The Flutter is a small, lightweight mucus clearance device that requires no power and can be used anywhere at anytime. It works by the patient exhaling into the device, this causes the precision steel ball inside the casting to vibrate. The vibrations travel back into the lungs, these vibrations loosen the mucus in the airways. Gently coughing then removes the mucus. Sessions normally last between 5 and 15 minutes. The Flutter is an effective alternative to physiotherapy.

SUMMARY

Product features and benefits

- Small, portable
- Low cost, effective option for mucus clearance
- Short sessions required for maximum effectiveness
- Easy to clean, by simply washing
- Loosens trapped mucus
- An effective alternative to physiotherapy

UTILITY

What is this product used for?

The Flutter offers relief for conditions such as: Cystic Fibrosis, Bronchiectasis, Emphysema, Chronic Bronchitis and COPD.

Warning: Do not use if the patient suffers from any of the following:

- Acute right-sided heart failure
- Pneumothorax
- Severe TB
- Haemoptysis (Coughing up blood)

ORDERING

Part codes

Flutter

3102000



Technical specification

Peak Expiratory Flow

Mini-Wright Standard	
Dimensions:	158 x ø64mm
Weight:	76g
Measurement Range:	60-880 L/min (EU Scale) 60-880 L/min (ATS Scale)
Accuracy:	± 10% or 10 L/min
Repeatability:	< 5 L/min

Mini-Wright AFS Low Range	
Dimensions:	149 x ø38mm
Weight:	56g
Measurement Range:	30-400 L/min (EU Scale) 30-400 L/min (ATS Scale)
Accuracy:	± 10% or 10 L/min
Repeatability:	< 5 L/min

Airzone	
Dimensions:	139 x 44 x 35mm
Weight:	44g
Measurement Range:	60-800 L/min (EU Scale) 60-720 L/min (ATS Scale)
Accuracy:	± 10% or 10 L/min
Repeatability:	< 5 L/min

Windmill Trainers	
AFS:	
Dimensions:	73 x 43 x 18mm
Weight:	5g
Airzone:	
Dimensions:	67 x 40 x 18mm
Weight:	4g

Inhaler Technique Training

Trainhaler	
Dimensions:	72 x 37 x 28mm
Weight (with Flo-Tone):	16g

Trainhaler CR	
Dimensions:	ø27.9 x 63.5mm
Weight (with Flo-Tone CR):	14g

Flo-Tone CR	
Dimensions:	37 x 23 x 42mm (without cap)
Weight:	3.22g (without cap)
Whistle Actuation:	20-30 L/min
Accuracy:	100% tested



Clip-Tone E	
Dimensions:	100 x 70mm
Weight:	6g

Flo-Check	
Dimensions:	37.3 x 33.6 x 23.9mm
Weight:	3g

In-Check DIAL G16	
Dimensions:	174 x 58mm (w/o mouthpiece) 213 x 58mm (with mouthpiece)
Weight:	106g
Measurement Range:	15 - 120 L/min
Accuracy:	±10% or 10 L/min
Repeatability:	5 L/min

In-Check M	
Dimensions:	158 x ø44mm
Weight:	78g
Measurement Range:	15 - 120 L/min
Accuracy:	10% or ± 10 L/min
Repeatability:	5 L/min

Peak Inspiratory Flow

In-Check Nasal	
Dimensions:	158 x ø44mm
Weight:	85g (without mask)
Measurement Range:	30 - 370 L/min
Accuracy:	10% or ± 10 L/min
Repeatability:	5 L/min

In-Check Oral	
Dimensions:	158 x ø44mm
Weight:	85g
Measurement Range:	30 - 370 L/min
Accuracy:	10% or ± 10 L/min
Repeatability:	5 L/min

Spacer Mask (Able Spacer)

Positive Whistle Mask	
Dimensions:	73 x 86 x 42mm
Weight:	21g
Whistle Actuation:	20-30 L/min
Accuracy:	100% tested



Spacers

Flo-Tone MDI	
Dimensions:	37 x 23 x 42mm
Weight:	3.22g
Whistle Actuation:	20-30 L/min
Accuracy:	100% tested

DispozABLE Spacer	
Dimensions:	ø84mm x 107mm
Weight:	15g
Volume:	227ml
Resistance to flow:	Free flow

A2A Spacer	
Dimensions:	154 x 55 x 67mm (open)
Weight:	57g
Volume:	210ml
Resistance to flow:	10mm of water at 30 litres/minute

Able Spacer	
Dimensions:	155 x 55 x 66mm
Weight:	62g
Volume:	210ml
Resistance to flow:	10mm of water at 30 litres/minute

Nebulisation

Airmed Travel-Air	
Dimensions:	106 x 66 x 128mm (w/o battery) 106 x 66 x 166mm (with battery)
Weight:	395g (w/o battery) 712g (with battery)
Electrical Requirements:	12VDC from AC adapter or battery pack
Flow and Pressure Range:	5.0 - 6.7 L/min, 8 - 10 psi 50 - 70 kPa, 0.5 - 0.7 bar
Particle Size:	MMAD 4 microns
Avg Nebulisation Rate:	>0.20ml/min
Compliance:	Electrical Safety Class II Type BF. Continuous
Battery Operating Time:	>35 minutes

Airmed 1000	
Dimensions:	170 x 193 x 99mm
Weight:	1.38 kg
Electrical Requirements:	AC 230V 50 Hz
Flow and Pressure Range:	4 - 8 L/min, 10 - 16 psi 70 - 110 kPa, 0.7 - 1.1 bar
Particle Size:	MMAD 4 microns
Avg Nebulisation Rate:	>0.20ml/min
Compliance:	Electrical Safety Class II Type BF. Continuous

MEDIX Econoneb^	
Dimensions:	206 x 209 x 179mm
Weight:	2.7kg
Electrical Requirements:	220 - 240V or 50 - 60Hz
Typical Dynamic Flow:	7 - 9 L/min at 138 kPa*
Particle Size:	MMAD 3.4 microns*
% Fine Particle Fraction:	69.20% of particles <5 microns*
Aerosol Output Rate:	0.39ml per minute**
Compliance:	Electrical Safety Class II Type BF. Continuous use. Class IIa MDD 93/42/EEC CE 0120

MEDIX Turboneb 2^	
Dimensions:	206 x 209 x 179mm
Weight:	2.7kg
Electrical Requirements:	220 - 240V or 50 - 60Hz
Typical Dynamic Flow:	9.5 - 10.5 L/min at 138 kPa*
Particle Size:	MMAD 3.2 microns*
% Fine Particle Fraction:	71.67% of particles <5 microns*
Aerosol Output Rate:	0.46ml per minute**
Compliance:	Electrical Safety Class II Type BF. Continuous use. Class IIa MDD 93/42/EEC CE 0120

MEDIX AC2000^	
Dimensions:	363 x 230 x 118mm
Weight:	2.9kg
Electrical Requirements:	220 - 240V or 50 - 60Hz (110V 60Hz model also available)
Typical Dynamic Flow:	7 - 9 L/min at 138 kPa*
Particle Size:	MMAD 3.4 microns*
% Fine Particle Fraction:	68.63% of particles <5 microns*
Aerosol Output Rate:	0.38ml per minute**
Compliance:	Electrical Safety Class II Type BF. Continuous use. Class IIa MDD 93/42/EEC CE 0120

Mucus Clearance

Flutter	
Dimensions:	92 x 82 x 42mm
Weight:	85g

* Aerosol output and particle size data achieved using Lifecare Micro-neb III measured in accordance with BS EN 13544-1

** Values will vary depending on viscosity of solutions being nebulised

Members of HAAG-STREIT Group

HAAG-STREIT HOLDING AG
www.haag-streit-holding.com

HAAG-STREIT Deutschland GmbH
www.haag-streit.de

HAAG-STREIT AG
www.haag-streit.com

I PRO GmbH
www.ipro.com

SPECTROS AG
www.spectros.ch

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www.clement-clarke.com

HAAG-STREIT Medtech AG
www.haag-streit-medtech.com

HAAG-STREIT UK
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HAAG-STREIT France EURL
www.haag-streit.fr

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www.johnweiss.com

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www.haag-streit-fareast.com

HAAG-STREIT USA
www.haag-streit.usa.com

HAAG-STREIT Surgical GmbH
www.haag-streit-surgical.com

Reliance Medical Inc.
www.haag-streit-usa.com

Moller-Wedel GmbH & Co KG
www.moeller-wedel.com

Asetronics AG
www.asetronics.ch

Moller-Wedel Optical GmbH
www.moeller-wedel-optical.com

ComLab AG
www.comlab.ch

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