

vikta® PosiPerle®

PosiPerle® positioning cushions

Product Guide 2020



PosiPerle® microbead cushions, with PneumaPure® filtration technology



**Pressure
Care
Management**

www.pressurecaremanagement.com

01264 336330

Email us at info@pressurecaremanagement.com for the full range of Microbead PosiPerle Breathable cushions we can provide.

PosiPerle® microbead cushions

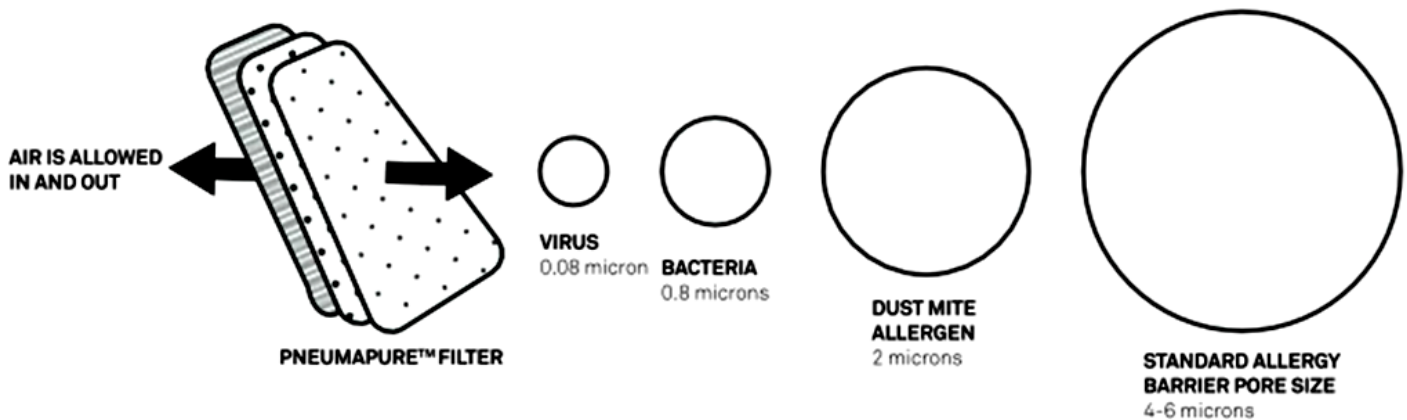


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Breathable mechanical **PneumaPure®** filter allows clean air flow into the cushions, but blocks out pathogens and allergens.



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Cushion Range

CODE	DESCRIPTION	PHOTOS NOT TO SCALE
PP8011	PosiPerle Lateral Support Microbead Cushion 180 x 30cm	
PP8012	PosiPerle Half-Moon Microbead Cushion 180dia x 30cm	
PP8013	PosiPerle Delta Microbead Cushion 60 x 30cm	
PP8014	PosiPerle Semi-Fowler Microbead Cushion 70 x 56 x 14cm	
PP8015	PosiPerle Cylinder Microbead Cushion, Large 70 x 17cm	
PP8016	PosiPerle Universal Microbead Cushion, Large 60 x 40cm	
PP8017	PosiPerle Universal Microbead Cushion, Small 40 x 30cm	
PP8018	PosiPerle Mini Universal Microbead Cushion 35 x 22cm	

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COTTON & BAMBOO COVERS



NEG0605 in a Cotton Cover (NEG0605CC)



NEG0610 in Bamboo Cover (NEG0610BB)



NEG0605 in a Bamboo Cover (NEG0605BB)

KIT BAG

A Kit Bag of a selection of cushions are available for purchase to enable a team of clinicians to have easy access to the range of cushions to try options for the clients. These can be customised to include whichever cushions you require the most, below is an example of the most purchased grab bag.

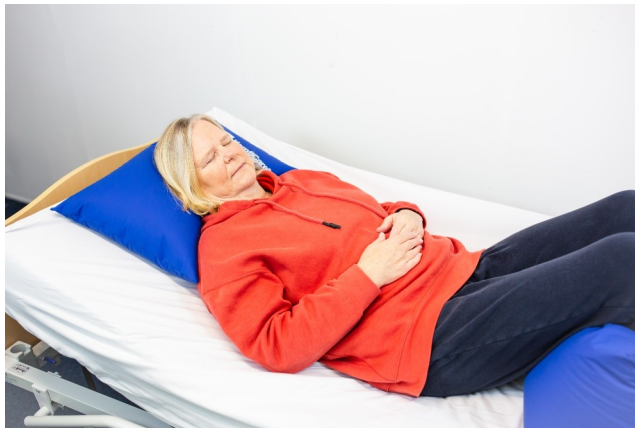


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HEAD

Cylindrical (PP8015) & Universal Cushions (PP8016)



These comfortably support the patients head so that the nurse can easily move the patient with

Semi Fowler Cushion (PP8014)



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HEAD

Half Moon Cushion (PP8012)



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CHEST

Half Moon Cushion (PP8012)



The Half Moon cushion maintains and perfectly holds the back, thus improving the patient's self perception. You only require one cushion to perfectly hold the shoulders and head.



On this picture, the Half moon cushion provides support and stability to the spinal column and to the head with a universal cushion (PP8016) between the legs.



Delta Cushion (PP8013)



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CHEST

Decubitus Cushion (PP8011)



Chest support in the side position 130 & 30. A Universal cushion is used for head support.



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LEGS & KNEES

Delta Cushion (PP8013)



The Delta cushion with its three support points particularly suits patients suffering from knee and/or hip spasms. For large-sized patients who are not fully supported, it will be necessary to use a universal cushion which will be placed under the delta cushion.

Semi Fowler Cushion (PP8014)



The Semi- Fowler cushion allows additional posture support. Its unique shape, with integrated abduction module ensures positioning at the patient's hip width. Leg support is perfectly maintained and pressure is relieved on the heel area.



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LEGS & KNEES

Cylindrical Cushion (PP8015)



The Cylindrical Cushion is also important for the knee flexion: It provides rapid relief for patients.

ARMS

Universal Cushions (PP8017 & PP8018)



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Lifetime of Pneumapure™ filter

Determining durability and lifetime of Pneumapure™ filters is based on tests made in laboratory environment and clinical studies held in hospitals. According to these tests the expected lifetime is 2 years in hospital environment when cared for properly.

Our general suggestion is to replace pillows which have been under exploitation in hospitals after 2 years. It is a reasonable period of life for a pillow in the hospital. For comparison reasonable lifetime for a regular pillow in home environment is considered to be 1 year.

The Gabriel Scientific warranty does not cover more than 1 year for medical pillows although the pillow lifetime is much longer as far the pillow is still clean, has no holes or no strange odour. There is no expiring date for the filter as far it keeps liquids out and no staining through the filter or visible tears, holes.

- Durability testing passed well of the filter (crumple test) which simulated approximately 2 years rigorous hospital use¹.
- Clinical study of pillows were carried out in The Royal Liverpool and NHS Broadgreen University Hospitals². This study showed that pillows needed replacement after 3 years under normal hospital usage.
- Mechanical and chemical testing of the filter materials showed good durability even after 20000 cycle abrasion and pilling test (Martindale method) as non or minor amount of liquid was absorb into filter, but not pervading³.

Hanna Tiidus

Compliance & Quality

¹ Test report from Centexbel laboratories

² Letter by Marie Dewhurst, Infection Prevention Team Leader Royal Liverpool Hospital

³ Research by PhD Uno Mäeorg, University of Tartu Faculty of Science and Technology



Clinically proven barrier to pathogen ingress, yet well ventilated, breathable and comfortable.



Patented bedding range, clinically proven to block viruses, allergens, microbes and mold.



Hermetically sealed cushioning device keeps pathogens out, because there is no stitching.



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Features & Advantages - PosiPerle

Simplified cleaning procedures

- Do not bleach, do not machine wash, do not dry clean, do not tumble dry, do not iron.

- For normal cleaning use mild detergent and water solution

- Avoid abrasive scrubbing of the filter and fabric.

If the cover is heavily soiled, a 0.1% Chlorine solution (1,000 ppm) and cold water can be used. If the cover has been exposed to bodily fluids such as blood, a 1% Chlorine solution (10,000 ppm) and cold water can be used. Frequent or prolonged use of a 1% Chlorine solution (10,000 ppm) may reduce the useful life of fabric.



CE Certified as Class I Medical devices in the EU
Registered Class I Medical Device with the FDA



The filling of our PP cushions is composed of high quality round polystyrene micro particles.

As fine as sand, the extremely small form-factor of the beads used in our cushions allow rapid and easy positioning, maintaining comfortably the patients on body in contact with the cushion, while relieving pressure on areas with risk of bedsores.

Thanks to the combination of these micro-beads together with our polyurethane bi-elastic cover, our cushions:

are light and easy to use

adapt to all morphologies

give support and comfort to the patient

helps reduce pressure



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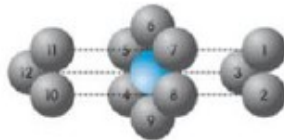
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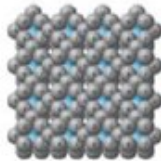
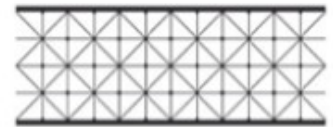
Features & Advantages - PosiPerle

The Principle of Microbeads

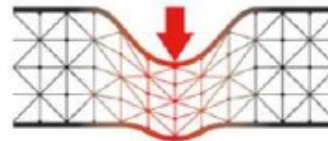
At a maximum volume, every bead has 12 contact points with neighbouring beads. These 12 contact points pass on the energy multi-dimensionally to the next 12 beads. The weakened energy is then again passed on via another 12 contact points.



Traditional foam materials have a linear construction of relatively low density. In case of impact the material is compressed to certain threshold value.

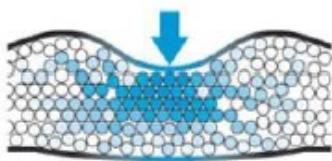
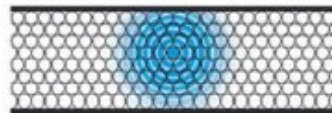


The Microbead structure is multiplied in three-dimensional space. Hundreds of microbead have thousands of contact points, which pass on the weakened energy.



Once the value is exceeded the compressed foam material faces a massive amount of pressure which is transferred onto the structure of the mattress

With the Microbeads, forces are passed via contact points to neighbouring microbeads. In addition, part of the energy is transformed into the thermal energy by the associated friction.



The impact energy is reduced and distributed throughout a large area via millions of contact points. Contrary to traditional foam materials the system requires only a little space



Carcinogenic effects

The expanded polystyrene (the ones used for the filling of our cushions) is widely used in disposable food containers with very strict requirements as it is in direct contact with food with the risk of being ingested.

Several epidemiological studies have been made, with significant styrene exposure levels and the absence of exposure to other chemicals.

These studies do not show any association between cancer and styrene.

Source: FT2 - INRS



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Notes



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Pressure Care Management

We do offer bespoke quotes if required. Please email info@pressurecaremanagement.com with the Cushion Product codes along with if/which covers are required and we can get a quote across to you quickly. We also can supply quotes for making up your own kit bag of a selection of microbead cushions to carry out your own assessments or supply to clients from.

Alternatively, you can purchase all our products through the website at pressurecaremanagement.com, Please note we do provide VAT invoices with all orders including orders made through our website which are sent to the email provided.

You can also select that you are VAT exempt when purchasing products through the website & we will send you the invoice along with the Charity or Disability VAT exemption form for you to complete and return to us via email.

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