

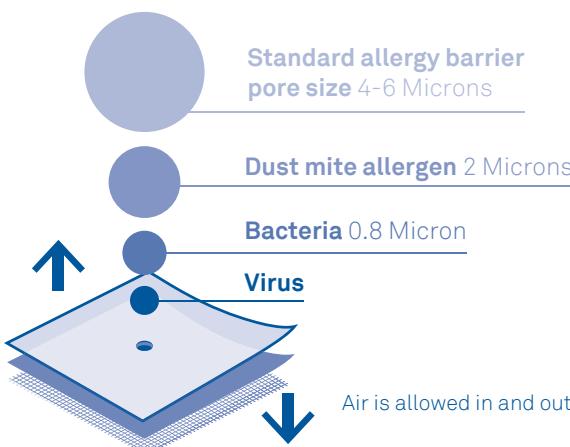
Neonatal Collection MESI for NICU

One of the often-overlooked links in the chain of infection transmission is soft surfaces. To tackle this problem, Gabriel Scientific has invented PneumaPure® Filter technology for soft surfaces. Resulting in a product collection that is a clinically proven barrier to microbial contamination.

NICU range with PneumaPure filter technology

MESI (honey in Estonian) is the **SleepAngel Medical NICU range of positioners** – unique combination of tissue viability and infection prevention:

- The shapes of the positioners and choice of the filling materials support the specific tissue needs of the fragile infants.
- The collection features fun and vibrant original patterns for the small patients
- Hermetically sealed products are ventilated through PneumaPure® filter technology- mechanical filter allows clean air flow into the pillow but blocks out pathogens and allergens



SleepAngel®



Neonatal fluidized positioner range - S, M, L

Filling: Floam, fluidized filling material

Function: Mouldable fluidized pressure redistribution positioner to assist in the safe positioning of the baby



Neonatal bumper – Regular, High

Filling: Polyurethane foam

Function: For positioning, nesting, to comfort, and contain babies

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Supportive therapeutic positioning provides postural stability and promotes self-calming and neuro-behavioural organisation. Providing secure contained boundaries encourages the development of flexor patterns of movement and discourages the dominance of extensor postures.

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PneumaPure® filter technology

SleepAngel®

PneumaPure® filter is a highly specialised nano-porous filter composite (i.e., composed of extremely small pores) that functions as an effective barrier to pathogens including bacteria, virus, and fungus as well as to the ingress of liquid, while remaining highly air-permeable.



Barrier components

PureShield fabric protection: durable, soft touch and high performance textile, that blocks out contaminants. Vapour permeable and waterproof;

SafeWeld seams: heat sealed seams provide complete barrier – no stitching holes;

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



Certified as Class I Medical Device in the EU
Registered Class I Medical Device within the FDA
Approved and registered with the SFDA

Technology is patent protected globally, independently tested and proven by Airmid Healthgroup.
Product range includes pillows, mattresses, positioners, blankets, top mattresses

Inspection and cleaning

SleepAngel Medical Barrier Bedding alongside an audit and cleaning protocol will secure safe environment for the small patient.

- **Audit** the product regularly – visually inspect the product's seams, fabric and filters for damage or holes. A product with holes or damaged fabric or filter must be disposed of.
- **Clean** the product at least once a week, after each patient discharge or when soiled. Clean with mild detergent and water solution.

Detailed cleaning instructions accompany the product.



Filling materials

We use innovative and proven materials and work with practitioners globally to find the best solutions for NICU departments.



Contact

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