

BinNova Triple AIR® – a new polycationic microfiltration media from M6 to H13 for the permanent immobilisation of hazardous particles, allergens, bacteria or viruses

With health issues caused by allergies increasing globally and pandemic scenarios like the Covid-19 outbreak in 2020 as well as the annual influenza season, new requirements have arisen for better indoor air quality and thus for improved HVAC air filtration.

Clean and healthy air is essential in sensitive public areas like hospitals, nursing homes and schools. Domestic appliances such as vacuum cleaners and air purifiers must function effectively and emit good air quality.

To meet these requirements BinNova Microfiltration developed a new generation of wetlaid filtration media with an innovative coating – **BinNova Triple AIR®**.

BinNova Triple AIR® with a permanent polymeric coating provides an **extremely large polycationic surface and irreversible adsorption** of negatively charged particles such as allergens, bacteria and viruses.

- This new approach provides added value
- Irreversible immobilisation of charged particles down to the molecular level
- Eliminates substances of concerns (silver, zinc, quaternary ammonium compounds)
- Increases safety during operation and maintenance
- Suitable for new applications to maintain a healthier and cleaner world

