



MANN+HUMMEL
Tackling COVID-19
with Air Filtration



MANN+HUMMEL has been a filtration specialist for more than 75 years. Leadership in filtration is our motivation.

A FILTRATION MASTER

As a global player, we contribute our expertise to the development of new standards and are represented in technical advisory boards in several sectors. The numerous awards as Supplier of the Year at renowned national and international companies show that we take our roles as partners very seriously.

MAKING EVERY BREATH SAFE

Viral particle size ranges from 0.05 to less than 0.005 microns but they typically attach to larger particles when airborne. These particles are produced when a person coughs, sneezes, shouts or sings. It can remain suspended in the air for prolonged periods of time and can be carried great distances on air currents. With enhanced filtration and proper ventilation, air filtration will reduce the spread of the new virus.

Tackling COVID-19: MANN+HUMMEL stand by



Face Mask for daily protection

PROTECT YOURSELF AND OTHERS

Other than not touching your face and washing hands with soap regularly, wearing masks not only protect ourselves, but also protects other people. According to the CDC, healthcare workers and those taking care of the sick should also wear face masks and dispose them appropriately after each use. This prevents the spread by protecting people nearby when we cough or sneeze.

The triple high efficiency filtration layers in this face mask help to prevent inhalation of small airborne viral particles which can cause infection. The mask is soft, comfortable and breathable which makes it suitable for daily use.

FEATURES

- Medical BFE99 melt blown fabric for triple high efficiency filtration to block bacteria & virus pollutants
- Ultrasonic spot welding & solid anti stripping to breathe smoothly under triple fold
- Multi-layered filtration layer protection
- Soft, comfortable and breathable
- Invisible flexible nose wire to prevent fogging
- 3mm cotton ear-hook for comfort
- Color: Blue, Size: 175*95mm





Tri-Kleen™ 500UV to improve indoor air quality

YOUR BUILDING CAN MAKE YOU SICK

More communities are becoming aware of the health risks posed by air pollutants and are looking for solutions to regulate building ventilation. Most buildings, especially those in tropical environments are heavily dependent on air conditioning and air recirculation to allow for cleaner air and better quality of life. Deploying this portable air cleaner for high end residence and healthcare facilities reduces the probability of virus contagion where in that location, people might have unknown or known risk of virus infection.

This extremely quiet and portable air cleaner, TRI-KLEEN 500UV utilizes HEPA filtration and UV lamp to allow for increased filtration as well as more air changes to provide a cleaner and well-ventilated space. Key features include state-of-the-art touch screen controls, fan and pressure control system.

FEATURES

- Four speed settings, from 90 CFM to 500 CFM
- Quiet design
- Smooth-rolling swivel casters with four front brakes
- LCD touch screen controls



For more information about this Tri-Dim product, please scan this QR code

*FDA compliance is pending

MANN+HUMMEL has been a specialist in LTF ceiling systems (Laminar Flow Systems) for more than 40 years to maintain air cleanliness in cleanrooms



HEPA FILTER

As one of the leading manufacturers of HEPA filters, we know which aspects play a vital role in delivering the highest levels of air cleanliness in cleanrooms, especially for LTF ceiling systems.

■ LONG LIFETIMES

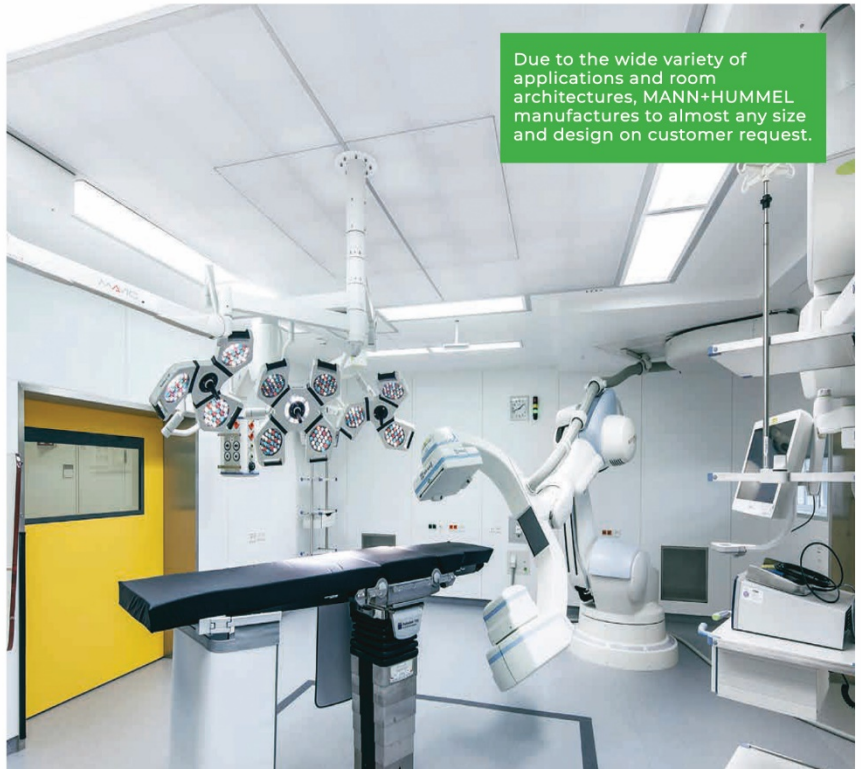
Low initial pressure drops allow long-term use of the filters with low energy consumption. Our filters are generally not replaced for at least 4 years - which represents a significant reduction in operating costs for the operator.

■ RELIABLE FILTERING EFFECT

Our filters reliably protect against germs and particles. The commonly used H13 filters stop 99.95% of particles, while H14 filters stop 99.995% (at the most penetrating particle size, or MPPS).

■ LOW PRESSURE

This ensures the energy-optimised operation of the system. Depending on the dimensions, the initial pressure drops of our H13 filters ≤ 60 Pa with an air volume of 1,000m³/h per m² filter surface.



Due to the wide variety of applications and room architectures, MANN+HUMMEL manufactures to almost any size and design on customer request.



Filter Cube to provide an outdoor clean air solution

EFFICIENT AIR FILTRATION

From the drawn-in air, MANN+HUMMEL's filter cube binds more than 80 percent of the particulate matter and NO₂. Through the cube's large surface, this extremely porous activated carbon-media is incredibly efficient in absorbing NO₂ and cleaning the air with very low energy input. One filter column with three Filter Cubes (Filter Cube III) purifies 14,500 m³ of air per hour.

ALMOST 80 YEARS OF EXPERIENCE IN FILTRATION

MANN+HUMMEL knows its way around the purification of air for many decades now. We are currently using our "Filtration know-how" to reduce the amount of air pollution by scaling down the concentration of particulate matter and nitrogen dioxide through the filter columns directly. This technology can also be integrated into billboards for bus stops or train stations.

EASY MAINTENANCE & SERVICE

No tool is necessary when changing the filter elements as they can simply be pulled out and the new ones are slid back along a guiding rail like a drawer.



For more information about the Filter Cube product, please scan this QR code

MANN+HUMMEL's portfolio of high performance filters protect people, processes, equipment and the environment to maintain and clean the air in your building



COMPLETE RANGE OF HVAC FILTER PRODUCTS

MANN+HUMMEL offers a comprehensive range of HVAC filters and gas adsorption filters to maintain and clean the air circulating throughout your home & building. We also promote the use of activated carbon media to remove gaseous pollutants and biological odours.

*All filters are tested in accordance with ISO 16890 & EN 1822

- Pre-filters
- High Efficiency Filters
- Gas Adsorption Filters
- Air Filter Housings
- Air Filter Media
- Compact Air Filters
- Panel Air Filters
- Bag Air Filters
- Fluff Separators

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