

Marstair SHIELD | Built-in Virus Protection

As the UK's leading based manufacturer of HVAC equipment, Marstair are excited to announce the launch of its SHIELD product range. Innovative product technology has been engineered into its wall mounted and cassette units specifically designed to help safeguard employees in the workplace by significantly improving indoor air quality (IAQ) in buildings across a wide range of sectors and applications.

SHIELD provides the capability to inhibit the transmission of viruses, inhibit the growth of bacteria, moulds and allergies, which can now be realised through the widespread deployment of 'bipolar ionisation' technology.

Ionisation is a natural environmental process that occurs by releasing positive and negative ions into the air. This proven technology has already been repeatedly deployed in various products, applications and sectors across the globe.

Independently tested, Dr. John Oxford, internationally recognised virologist and professor at the Institute of Cell and Molecular Sciences at St. Bartholomew's and The Royal London Hospital, states that bipolar ionisation has been proven to be effective against a number of viruses, by deactivating and rendering them harmless, so they can no longer spread or cause infection.

Recent testing by the Spanish Ministry of Defence Biological Laboratory in Spain on bipolar ionisation technology, also showed a significant reduction of MS2 Bacteriophage, a surrogate for SARS-CoV-2 (COVID-19), in indoor environments by 99% airborne and 80% on surfaces within 10 Minutes.

Rigorous testing has been completed by Marstair on the bipolar ioniser unit within a number of products, measuring airflow rates, ion density measurements, across a number of room locations, product positions and at multiple height levels.

Compared to other technologies, bipolar ionisation is a superior solution as it pro-actively treats the air in the occupied space at the source of contamination. Traditional end-of-pipe solutions utilise a reactive "pass-through" or "filtered" approach.

Over the past few years, bipolar ionisation has been utilised globally as a proven indoor air quality solution for a wide range of buildings. Clients including Ritz Carlton, Marriott and Four Seasons have already adopted, specified and installed this technology across numerous projects worldwide.

The Marstair SHIELD product range has successfully been developed in Partnership with Bipolar Ionisation limited and we look forward to working with clients across the UK in further helping safeguard employees in the workplace.

For more information email: SHIELD@marstair.com | call: 01484 405 666