

Pro-B Air

For a more hygienic building environment

Clean, green, sustainable hygiene



Galco
PROBIOTICS

Concept and results

Pro-B Air is a unique service which distributes probiotic material through heating, air-conditioning and ventilation (HVAC) systems, creating a more hygienic environment throughout the building. Not only does Pro-B Air reduce the risk of pathogenic bacteria (such as Listeria and Legionella) in the HVAC system itself, it also spreads probiotic material throughout the building, increasing hygiene levels and reducing bad odours and the risk of allergens.

A little bit about Sick Building Syndrome

Sick Building Syndrome (SBS) is a widely recognised phenomenon, which has been documented since the 1960s. Symptoms include irritation of the eyes, nose, throat and skin, headaches, lethargy, irritability and lack of concentration. There are numerous potential causes of SBS, with one of the most common being poor indoor air quality. A key contributing factor to SBS is biological contaminants, such as bacteria, mould and viruses.

These may breed in stagnant water that has accumulated in ducts, humidifiers and drain pans, or where water has collected on ceiling tiles, carpeting, or insulation.

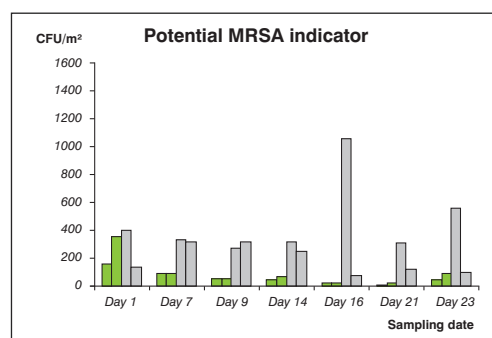
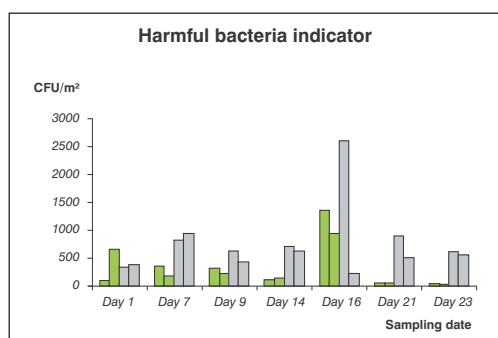


The solution – Pro-B Air

Pro-B Air spreads the good bacteria found in Pro-B products within the HVAC system and through it also across the whole building.

The way that good bacteria work is simple: there are good bacteria and bad bacteria (which cause disease, like E coli., MRSA, Legionella and Listeria). Only one type of bacteria can live in any area, as the bacteria all rely on the same space and the same nutrients. Spreading an area with good bacteria therefore reduces the risk from bad bacteria. But like all living organisms, good bacteria eventually die and therefore need to be regularly replaced with new good bacteria to maintain the beneficial effects. Pro-B Air regularly replenishes

the good bacteria, leading to long-lasting noticeable effects. Not only does Pro-B Air increase the level of hygiene the HVAC system itself, it also creates a sustained probiotic environment throughout the building and increases overall hygiene. It significantly reduces bad odours and the risk of allergens (such as dust mites' excretion). And because Pro-B Air only uses material which is not toxic, corrosive or irritating and contains only harmless bacteria (as recognised by EU and US authorities), it is perfectly safe to use throughout the building, including while the building is occupied and in areas where fresh food is being prepared and stored.



Test results showing the occurrence of potentially harmful bacteria in hotel beds which were treated with probiotic material (in green) and those which were only subjected to normal cleaning (in grey). Using probiotic treatment, Coliform bacteria decreased by an average of 50% (indicating a higher degree of cleanliness) and Staphylococcus aureus bacteria (potential for MRSA) decreased by an average of 84%.

Advantages

For gyms



- Creates a safer and more pleasant fitness environment
- Reduces the risk of Community Acquired MRSA
- Noticeably reduces odours, including “that gym smell”
- Can be applied while gym is being used
- Reaches areas traditional cleaning does not
- Reduces the risk of allergens
- Automated system, no need for additional manpower

For offices



- Creates a more comfortable and safer working environment
- Reduces the risk of pathogenic bacteria within the HVAC system, including Legionella and Listeria
- Increases hygiene levels throughout the building
- Reduces odours throughout the building
- Reduces the risk of allergens
- Can be used while building is occupied
- Automated system, no need for additional manpower

For cinemas and theatres



- Creates a more comfortable viewing experience
- Noticeably reduces odours, including musty smells
- Penetrates areas where traditional cleaning may be less effective, e.g. carpets, under seats etc.
- Reduces the risk of allergens
- Can be applied while audiences are present
- Safe to use throughout building, including where food is prepared and dispensed
- Automated system, no need for additional manpower

For hospitality



- Creates a healthier stay for guests
- Reduces the risk of allergens, such as dust mites' excretions
- Reduces the risk of pathogenic bacteria
- Noticeably reduces odours
- Can be applied while hotel is occupied
- Reaches areas traditional cleaning does not
- Safe to use throughout the hotel, including on beds and linen, upholstery and curtains
- Automated system, no need for additional manpower

Advantages of Pro-B Air

- ✓ Creates a healthier environment throughout the building
- ✓ Revolutionary technique – plugs easily and discretely into existing HVAC systems
- ✓ Longer lasting HVAC system cleaning
- ✓ Completely safe, can even be used while building is occupied
- ✓ Free pilot schemes, backed by microbiological tests
- ✓ Affordable
- ✓ Compliments existing cleaning regimes, but best used in conjunction with Pro-B's probiotic cleaning materials
- ✓ Can be used in conjunction with Pro-B Scent

Pro-B Scent

The sense of scent



Most marketing is aimed at only two senses – sight and sound. But the strongest of the human senses is the sense of smell, which is also more influential on memory and emotion. The power of scent has been used to appeal to emotions since the beginning of mankind, and the developing field of scent marketing recognises its influence over consumers.

Pro-B Scent is a unique solution, providing your signature fragrance evenly throughout your premises. The right scent will enhance the ambience already created in a particular space using design and lighting, and will help to form the perfect atmosphere for your customers. Whether you want to invigorate them during exercise, provide a relaxing viewing experience, give them a warm welcoming feeling or simply create a fresh working environment, Pro-B Scent

is the solution. It can also complement other marketing tools, creating an entire brand experience which is unique to your business. We can help you choose the right fragrance, which will be your unique signature and recognisable by your customers.

Pro-B Scent uses the same distribution technology as Pro-B Air, plugging easily and discretely into existing HVAC systems. This means that the fragrance is spread evenly throughout the premises, rather than emanating from a single source and dissipating over distance (such as an aerosol or scent stick). It is fully automated, not requiring any additional manpower, and incredibly affordable.

Pro-B Scent can be used in conjunction with Pro-B Air, to create a more hygienic and pleasant environment.