



Prevents Bacterial
Infections

Eliminates Odours

Non-Polluting

Reduces Antimicrobial
Resistance



INGENIOUS PROBIOTICS

Denaa⁺ MICROBIAL CLEANING FITNESS & WELLNESS

PLANT-BASED & SUSTAINABLE

*SUPPORTS HEALTH &
IMMUNE SYSTEM FUNCTION*

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EFFECTIVE & PROTECTIVE MICROBIAL CLEANING

FOR HEALTHIER & MORE INVITING FITNESS & WELLNESS ENVIRONMENTS

The DENAA+ Fitness & Wellness Microbial Cleaning range is specifically designed to thoroughly and naturally clean sports, fitness and wellness environments that are at high risk of microbial invasion. The range significantly improves the hygiene of equipment, floors, textiles and wet leisure areas by cleaning at a deep microscopic level. This creates an increasingly healthier, fresher smelling and more appealing environment.

All products are packed with the natural cleansing power of plant-based 'good' bacteria called probiotics. This carefully chosen blend of helpful probiotics provides a more responsible, more effective and safer alternative to traditional synthetic and chemical cleaners and disinfectants. They are non-polluting and completely safe for long term use by cleaning operatives - and for the environment.

As well as eliminating organic dirt particles, the helpful probiotics inhibit the bacteria that cause infections such as E. coli and Staphylococcus. They eliminate unpleasant odours such as stale sweat and reduce bio-hazards - mould, pollen and dust mite faeces.

DENAA+ Fitness & Wellness products clean in a safe, mechanical way that continues to work between applications. Over time, their longer lasting action creates an increasingly protective environment, which supports the immune system function of clients, staff and visitors. The mechanical way in which they work also actively reduces antimicrobial resistance.

- ✓ Creates a more hygienic & inviting environment.
- ✓ Supports health & immunity by significantly reducing disease-causing bacteria, pollen, dust-mite faeces, skin flakes & mould.
- ✓ Protects cleaning operatives from serious illnesses (including lung cancer) linked to long term use of chemical cleaning agents.



Recycled &
Recyclable
Containers

EPA Class 1 &
EU Group 1
SGS Approved

Reduces
Antimicrobial
Resistance

Completely
Safe for
Operatives

Plant-Based
Vegan &
Cruelty-Free

Sustainable
Green &
Responsible

Non-Polluting
Natural &
Chemical-Free

Better
Cleaning
Results



HOW PROBIOTICS CLEAN

A HIGHLY EFFECTIVE, RESPONSIBLE & COST EFFECTIVE ALTERNATIVE TO TRADITIONAL SYNTHETIC & CHEMICAL CLEANERS

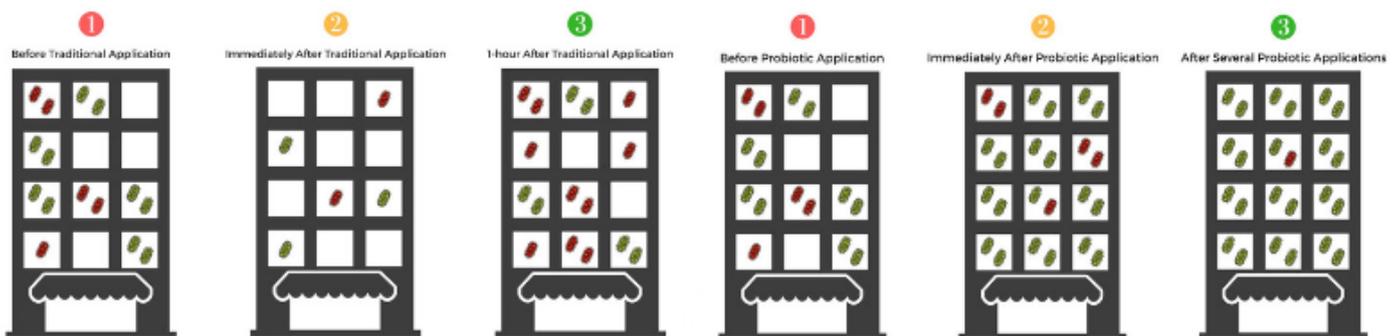
Restoring Healthy Microbial Balance in Fitness & Wellness Environments

Freely prescribed antibiotics and traditional and synthetic chemical cleaning agents have kept us relatively safe for years. They used to work; but all that is changing. Their misuse and overuse, combined with poor hygiene and infection control, means bacteria are progressively resisting previously effective treatments. The devastation caused by this antimicrobial resistance (AMR) is ever-increasing. It is a global, growing threat to both human and animal health.

Antibiotics and traditional cleaning agents typically kill 99.9% of all bacteria. But they cannot differentiate between helpful (probiotic) and harmful (pathogenic) bacteria, so they kill both. The helpful bacteria become outnumbered and the harmful opportunistic pathogenic bacteria gain control.

With no competition, the pathogens increase in numbers more quickly. They constantly adapt, evolve, grow stronger, grow a protective shield and develop resistance. Ever stronger measures are needed to try and stop their progression into resilient super bugs. But the resistance of the bacteria increases as the strength of antibiotics and traditional cleaners increases. This reduces the effectiveness of treatments with every cycle, and is systematically destroying the environment's natural equilibrium.

TRADITIONAL VS. PROBIOTIC CLEANING



In contrast, DENAA+ Fitness & Wellness products clean at a microbial level using the safe and mechanical processes of bio-competition and bio-augmentation. Huge quantities of carefully selected helpful probiotic bacteria are used to re-populate the spaces where pathogenic bacteria thrive. The probiotics simply outnumber the pathogens and deprive them of food and space needed to survive. The pathogens die and become a food source for the probiotics. This natural cycle restores microbial balance and a healthy ratio of helpful to harmful bacteria, whilst reducing antimicrobial resistance.

- ✓ **Inhibits infection-causing bacteria.**
- ✓ **Reduces antimicrobial resistance.**
- ✓ **Completely safe for humans & the environment.**



Case Study

A TRIBE CALLED SWEAT



Air & Surface Purification for a Cleaner, Healthier Gym

- ✓ Removes harmful bacteria, viruses, bio-allergens, plastic & dust particulates & chemical pollutants.
- ✓ Adds carefully chosen, plant-based, high quality, probiotic 'good' bacteria to restore environmental balance at a microbial level.
- ✓ Cleans surfaces without chemicals & disinfectants.
- ✓ Eliminates unpleasant odours - including stale sweat.

High Specification Air Purification Combined with Continuous Microbial Cleaning of Hard & Soft Surfaces

The Problem

A Tribe Called Sweat in Chelmsford, Essex, is the UK's premier rehabilitation and personal training centre. They provide a 5-star customer experience and provable results. However, with all the hard exercising going on, Tribe - just like all gyms - has to work hard to keep the gym areas and shared equipment hygienic and smelling fresh. Conscious of the environmental and health risks, it was important not to use harsh chemicals and anti-bacterial cleaning products and disinfectants.

The Solution

In an exciting development, we worked with Tribe to install the world's first 'reset and replenish' room cleaning solution: air and surface purification working together in one ducted system. One standard Ingenious Air System with high specification air purification was installed. This 'resets' the environment by removing all three types of serious airborne pollutants before they are breathed in:

- Disease-causing, opportunistic, pathogenic viruses and bacteria.
- Bio-hazards & bio-allergens, including skin cells, mould spores, pollen & dust mite faeces.
- Toxic pollutants & harmful volatile organic compounds.

However, indoor environments need to maintain natural, microbial balance between helpful and harmful bacteria. To achieve this, naturally sourced, plant-based, helpful bacteria called probiotics were added to the air stream via the duct work. These eco-friendly micro-organisms clean at a deep microbial level. They land on hard and soft surfaces in large numbers and inhibit the harmful bacteria in a natural and organic way. They reduce the risk of infectious bacterial diseases, including E. coli and Staphylococcus. The probiotics and air purification both remove the triggers of allergic reactions and the root causes of unpleasant odours. The induction delivery system reaches all the nooks and crannies and otherwise difficult to access areas.

Follow Up

The Ingenious Air System provides an active delivery system for clean, healthy and safe air. The gym is a cleaner, fresher, healthier and safer - and more inviting - place to work out.

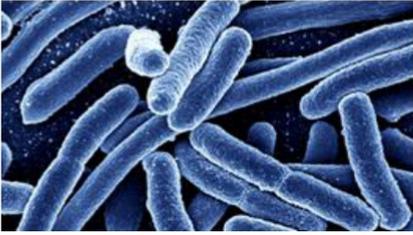
"The gym never smells. It is important for the gym to not only look clean, but to smell clean and all of our members comment on the fact that it does exactly that, it smells as good as it looks". Ben Brand, Owner.

Call +44 1268 544530 or email enquiries@pure-ingenious.com to find out more.



Research Study

PROBIOTIC INFECTION PREVENTION



Laboratory Study on the Effects of Probiotic Bacteria on Pathogenic E.Coli Bacteria

Key Benefits

- ✓ Naturally sourced, plant-based probiotic 'helpful' bacteria eliminate 100% of pathogenic E. coli bacteria.
- ✓ Natural, mechanical process that reduces antimicrobial resistance.
- ✓ Significant implications for inhibiting E. coli related infections in fitness & wellness environments.

PROBIOTIC BACTERIA INHIBIT 100% OF E. COLI BACTERIA Non-Pathogenic Bacteria Eliminate Pathogenic Bacteria that Cause Infections

Study

The aim of the study was to prove that a non-pathogenic microbial cocktail (probiotic bacteria) has a positive effect against pathogenic Escherichia coli bacteria. Two tests were made with four E. coli petri film plates containing differing volumes of bacteria. A sample consortium of diatoms (algae from domestic use contaminated water) was blended with a sample of the non-pathogenic microbial cocktail, then added to each petri film containing the E. coli.

Test One: 4ml microbial cocktail and 4ml diatoms. 140 colonies (CFUs) were counted on the film plate pre-treatment.

Test Two: 3ml microbial cocktail and 5ml diatoms. 320 colonies (CFUs) were counted on the film plate pre-treatment.

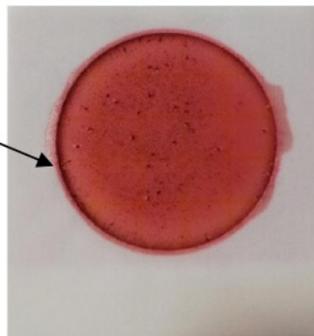
The plates were incubated for 24 hours at 37°C and then visually examined. Standard laboratory methods were used for efficient detection and enumeration.

Results

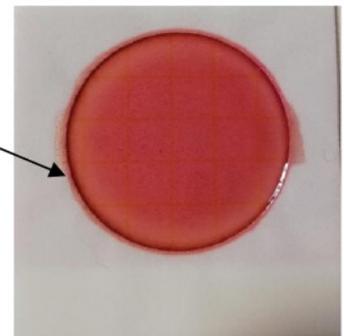
Test One: The microbial cocktail and diatoms had eliminated all of the 140 pathogenic colonies.

Test Two: The microbial cocktail and diatoms had eliminated all of the 320 pathogenic colonies.

Test Two - Before
Petri film plate with 320 pathogenic colonies of E. coli bacteria before addition of MSP



Test Two - After
Petri film plate with zero pathogenic colonies of E. coli bacteria after addition of MSP



Conclusion

These results prove that the non-pathogenic microbial cocktail (probiotic bacteria) eliminated all E.coli colonies contained in the consortium of diatoms, even when the volume of microbial cocktail was lower compared with the volume of diatoms. This significant result is particularly relevant to the presence of necrophagous bacteria (that eat dead and decaying flesh) and phage bacteria in the solution.

This internal test was carried out by Probiotic Group laboratory from October 23rd to October 30th 2018. For the full study visit: www.ingenious-probiotics/knowledge.

Call +44 1268 544530 or email enquiries@pure-ingenious.com to find out more.



CLEAN (ALL-ROUND) CLEANER

DENAA+ FITNESS & WELLNESS MICROBIAL CLEANING

Reduces disease-causing bacteria, pollen, dust-mite & mould

DENAA+ Clean is a high strength, easy to use 'all-rounder' spray - ideal for cleaning surfaces, glasses, mirrors, tiles, facilities and sports and fitness equipment.

The spray is packed with the natural cleansing power of carefully chosen, plant-based, 'good' bacteria called probiotics. These helpful probiotics provide a highly effective, safer and more responsible alternative to traditional synthetic and chemical cleaning agents. They clean in a safe, mechanical and highly efficient way at a deep microbial level, removing even the smallest organic dirt particles.

The helpful probiotics inhibit the opportunistic bacteria that thrive on communal equipment and can cause disease. This significantly reduces the risk of bacterial infections, and reduces the development of bacteria that cause unpleasant odours such as stale sweat. DENAA+ Clean continues to work between applications, which creates an increasingly healthier and more hygienic environment over time.

Sustainable & Green with 99% Natural Ingredients

DENAA+ Clean has a fresh orange pomegranate aroma, is plant-based (vegan) and is made without animal testing. It is completely safe for long term use by cleaning operatives - and for the environment.

DENAA+ Clean Concentrate 50 is the concentrated version of a ready-to-use DENAA+ Clean solution. You can easily dilute DENAA+ Clean Concentrate 50 with water using our spray bottles or your own spray systems. This is sustainable cleaning in action.

INSTRUCTIONS

Shake DENAA+ Clean in the ready-to-use spray bottle before use. Lightly spray onto the surface and wipe with a clean microfibre cloth.

Refilling a DENAA+ Clean spray bottle or own bottle: Shake DENAA+ Clean Concentrate 50 before refilling the bottle. Put 10 ml of the concentrate into the empty spray bottle and slowly fill with approximately 490ml of hand-warm tap water. Close the bottle again and shake briefly. To ensure effective results when refilling, always adhere to the dosage specification of 1:50. 1 litre of Concentrate 50 yields 51 litres of ready-to-use DENAA+ Clean when diluted with tap water.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- For use on waterproof surfaces only.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Surface Active Substances
- Orange & Pomegranate Aroma



Ready to Use Spray - 500ml
Concentrate 50 Bottle - 1 Litre
Concentrate 50 Refill - 5 Litres

- ✓ **Actively eliminates odours - including stale sweat.**
- ✓ **Non-polluting & biodegradable.**
- ✓ **Continues to work between applications.**



ASK ABOUT THE RANGE!





DRAIN & TOILET CLEANER

Denaa⁺ FITNESS & WELLNESS MICROBIAL CLEANING

100% Natural, Biodegradable & Chemical-Free

DENAA+ Drain WC Cleaner effectively cleans and descales toilets and drains without chemicals, chlorine or other environmentally harmful ingredients. It is packed with the natural cleansing power of carefully chosen, high quality, plant-based, 'good' bacteria called probiotics.

The helpful probiotics provide a more effective and responsible alternative to traditional synthetic and chemical cleaning agents. They clean in a safer, mechanical and highly efficient way at a deep microbial level. They form a biofilm on the walls inside the toilet bowl or drain and decompose the organic molecular structures and deposits that gather there. They clean away hair, skin scales, fats, oils, soap residues, dirt particles and faeces. They keep sewage pipes clean and eliminate unpleasant sewage and urine odours.

Actively Eliminates Unpleasant Odours

DENAA+ Drain WC Cleaner has a pleasant, natural orange pomegranate aroma and is completely safe for long term use by cleaning operatives. All ingredients are 100% natural, vegan and made without testing on animals. The natural mechanical cleaning action of the probiotics is sustainable and kind to the environment, whilst actively reducing antimicrobial resistance.

INSTRUCTIONS

For best results, remove any existing blockages manually before cleaning. The probiotics are highly effective but do take time to do their work.

DENAA+ Drain WC Cleaner: Simply apply under the edge of the toilet bowl and leave to act for at least 10 minutes. The solution is thixotropic and so does not immediately disappear down the pan. After 10 minutes, clean with a brush and rinse with water.

DENAA+ Drain Concentrate 50: Shake container before use. Fill the drain of sinks, bathtubs, showers or toilet facilities with lukewarm water. Apply 50ml of DENAA+ Drain Concentrate 50 into the drain and rinse with lukewarm water. Do not use the drain for the next 8 to 12 hours. Reapply once every week to achieve a lasting result.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Avoid contact with eyes.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Non-Ionic Washing
- Surface Active Substances
- Orange & Pomegranate Aroma



Ready to Use Bottle
- 750ml
Concentrate 50 Bottle
- 1 Litre
Concentrate 50 Refill Bottle
- 5 Litres

- ✓ **Descales & keeps sewage pipes clean.**
- ✓ **Completely safe for operatives & the environment.**
- ✓ **Longer lasting action.**



ASK ABOUT THE RANGE!



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FLOOR CLEANER

Denaa+ FITNESS & WELLNESS MICROBIAL CLEANING

Creates an Increasingly Healthier Floor Microflora

DENAA+ Fitness & Wellness Floor Cleaner is a highly effective, eco-friendly and responsible alternative to traditional synthetic and chemical cleaners. It is specifically designed to create healthier ecological conditions for sports and wellness facilities that are at high risk of microbial invasion.

DENAA+ Floor is packed with the cleansing power of naturally occurring, plant-based, 'good' probiotic bacteria. These carefully selected, helpful probiotics clean safely and thoroughly at a deep microbial level using a natural mechanical action.

They clean away even the smallest organic dirt particles. They inhibit the opportunistic bacteria that thrive on high traffic floors and can cause disease. This significantly reduces the risk of bacterial infections, and reduces the development of bacteria that cause unpleasant odours such as stale sweat. They reduce the bio-hazards - pollen, dust-mite faeces and mould - that can trigger allergic reactions.

Unlike traditional products, DENAA+ Floor continues to work between applications, so results last longer. Regular use gradually restores and optimises a healthy balance of the floor microflora. This creates an increasingly safer, healthier and more protective microbial environment that supports the immune system function of clients and staff.

Completely Safe for Cleaning Operatives & the Environment

DENAA+ Floor has a pleasant, natural orange pomegranate aroma and is completely safe for long term use by cleaning operatives. All ingredients are 99% natural, vegan and made without testing on animals. The natural mechanical cleaning action of the probiotics is sustainable and kind to the environment, whilst actively reducing antimicrobial resistance. DENAA+ Floor is available as a 1 litre or 5 litre concentrate.

INSTRUCTIONS

Shake before use. Dilute DENAA+ Floor Concentrate 100 with lukewarm tap water at a ratio of 1:100 (for example, use 100 ml of concentrate per 10 litres of tap water).

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- For use on waterproof surfaces only.
- Avoid contact with eyes.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Surface Active Substances
- Orange & Pomegranate Aroma



Concentrate 100 Bottle - 1 Litre
Concentrate 100 Refill Bottle - 5 Litres

✓ **Plant-based & 99% natural.**

✓ **Reduces the risk of bacterial infections.**

✓ **Long lasting, action that supports immune system function.**



ASK ABOUT THE RANGE!





FRESH (ODOUR PREVENTION) SPRAY

DENAA⁺ FITNESS & WELLNESS MICROBIAL CLEANING

Freshens Equipment, Shoes & Textiles Between Washes

DENAA+ Fitness & Wellness Fresh cleans, removes and prevents unpleasant odours - including stale sweat - safely and thoroughly, between uses and washes. The spray works equally well for textiles, functional clothing, fabrics, shoes and even room air.

DENAA+ Fresh is packed with the cleansing power of carefully chosen, naturally occurring, plant-based, 'good' probiotic bacteria. These helpful probiotics work at a deep microbial level using a highly effective, natural two-phase mechanical action:

Firstly, the spray encircles the odour-causing organic waste molecule. Secondly, the helpful probiotics break down and digest these molecules, which are an energy-rich food source, over a relatively short time. The probiotics also consume other bio-allergens and bio-hazards - including pollen, dust-mite faeces and mould - which helps reduce allergy and sensitivity symptoms.

The mechanical action of the helpful probiotics also inhibits the harmful bacteria that cause infections. This significantly reduces the risk of contracting bacterial infections such as E. coli. This mechanical action continues to work after application, so results last longer. This gradually optimises a healthy balance of the microflora wherever the spray is applied, and full washing is required less often.

Plant-Based, with an Orange Pomegranate Aroma

DENAA+ Fresh has a pleasant, natural orange pomegranate aroma and is completely safe for long term use by cleaning operatives. All ingredients are naturally sourced, vegan and made without testing on animals. The natural mechanical cleaning action of the probiotics is sustainable and kind to the environment, whilst actively reducing antimicrobial resistance.

INSTRUCTIONS

Shake DENAA+ Fresh well before use. Simply spray several times into the room air or directly onto fabrics, textiles, contaminated areas or inside shoes. Reapply after a few hours for heavy or older soiling.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Avoid contact with eyes.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Anionic Substances
- Orange & Pomegranate Aroma

ASK ABOUT THE RANGE!



Ready to Use Spray

- 100ml

Ready to Use Spray

- 300ml

Ready to Use Refill Bottle

- 5 Litres



Actively eliminates unpleasant odours.



Reduces disease-causing bacteria, pollen, mould & dust mite faeces.



Biodegradable, natural & chemical-free.





HEALTH (CLEANING) SPRAY

Denaa+ FITNESS & WELLNESS MICROBIAL CLEANING

Deep Protective Cleaning for Mats, Treatment Tables & Wet Areas

DENAA+ Fitness & Wellness Health is specially developed for deep cleaning sitting and lying areas - including yoga mats, seating, treatment tables and wet areas - in wellness and sports facilities. The spray is packed with the natural cleansing power of carefully chosen, high quality, plant-based, 'good' bacteria called probiotics. These helpful probiotics provide a more effective, safer and responsible alternative to traditional cleaning chemicals and disinfectants.

The helpful probiotics thoroughly clean in a safe, mechanical and highly efficient way at a deep microbial level. As well as eliminating organic dirt, they inhibit the opportunistic bacteria that can cause disease. This significantly reduces the risk of bacterial infections (including Staphylococcus and E.coli) and reduces the development of bacteria that cause unpleasant odours such as stale sweat.

The probiotics also reduce bio-allergens and bio-hazards - the pollen, dust mite faeces, skin flakes and mould that can cause allergic reactions.

DENAA+ Health has a longer lasting action that continues to work between applications. This gradually restores and optimises the balance of microflora, wherever it is applied. This improves hygiene and creates a healthier ecological environment that helps to protect and support immune system function.

Sustainable, Natural & Hygienic Cleaning

DENAA+ Health has a pleasant, natural orange pomegranate aroma and is completely safe for long term use by cleaning operatives. All ingredients are 99% natural, vegan and made without testing on animals.

The natural mechanical cleaning action of the probiotics is sustainable and kind to the environment, whilst actively reducing antimicrobial resistance.

INSTRUCTIONS

Shake DENAA+ Health before use. Lightly spray onto the surface and wipe with a clean microfibre cloth.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Avoid contact with eyes.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Surface Active Substances
- Orange & Pomegranate Aroma



Ready to Use Spray - 500ml
Ready to Use Refill Bottle - 5 Litres

✓ **Reduces risk of bacterial infections such as E.coli.**

✓ **Eliminates stale sweat odour.**

✓ **Biodegradable, 99% natural & chemical-free.**



ASK ABOUT THE RANGE!





WATER (WET LEISURE) CLEANER

Denaa+ FITNESS & WELLNESS MICROBIAL CLEANING

Natural & Sustainable Cleaning for Pools, Spas & Jacuzzis

DENAA+ Fitness & Wellness Water is a safer, more appealing and more responsible alternative to chlorine and disinfectants for swimming pools, hot and cold water pools, hot tubs whirlpools and jacuzzis. It thoroughly and reliably cleans contaminated water, removing organic dirt and urine within a short space of time.

DENAA+ Water is packed with the natural cleansing power of carefully chosen, plant-based, 'good' bacteria called probiotics. These helpful probiotics clean in a safe, mechanical and highly efficient way at a deep microbial level. They inhibit the bacteria that cause diseases, significantly reducing the risk of bacterial infections.

DENAA+ Water continues to work after application stops, which gradually optimises the microflora in the water. This creates an increasingly healthier and more hygienic environment that supports immune system function. It can also be used for highly effective high pressure cleaning of electromagnetic stimulation (EMS) jackets.

Significantly Reduces the Risk of Bacterial Infections

DENAA+ Water is completely safe for long term use by cleaning operatives. All ingredients are 99% natural, vegan and made without testing on animals. The natural mechanical cleaning action of the probiotics is sustainable and kind to the environment, whilst actively reducing antimicrobial resistance.

Use fresh tap water for this two step ecological cleaning process:

1. Boost cleaning by using the recommended high ratio of concentrate with fresh tap water for best results.
2. For continuing use, use a lower ratio of concentrate depending on the size of the pool – minimum 1:10000.

Contact us for individual solutions for filter systems, use as an alternative to chlorine or for high pressure machines for cleaning EMS equipment.

INSTRUCTIONS

Shake before use. For pools: Use DENAA+ Water Concentrate in a 1:1000 ratio. For example, dilute a maximum 1 litre of concentrate in 1m³ water. For larger water volumes, pour the concentrate in several places or feed in via connected filters and circulation systems.

For jacuzzis: Use a ratio of 1:10000 i.e. 0.1 litre concentrate in 1m³ water.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Avoid contact with eyes.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.



COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Substances
- Orange & Pomegranate Aroma

ASK ABOUT THE RANGE!



Concentrate Bottle
for EMS Jackets
- 100ml & 1 Litre & 5 Litres

Concentrate Bottle
for Pools & Jacuzzis
- 5 Litres

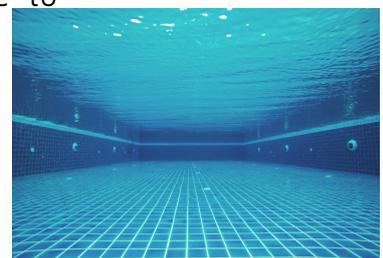
Cleans
communal
water without
chlorine or
chemicals.



Provides a
more pleasant
user
experience.



Plant-based &
chemical-free.





INGENIOUS PROBIOTIC AIR DISPENSER

NATURAL MICROBIAL CLEANING OF HARD & SOFT SURFACES

Creates an Increasingly Healthier Microbial Environment

The indoor environment is not always a healthy one. It can be the perfect breeding ground for a host of harmful 'bad' bacteria such as MRSA and E. coli. These opportunistic pathogens flourish in invisible microscopic communities on every surface all around us - keyboards, phones, towels, door handles and curtains.

However, the indoor environment also houses vital, beneficial, health-enhancing 'good' bacteria called probiotics. These helpful probiotics create a healthy indoor space by protecting and cleaning at a deep microbiological level. But, if there are not enough probiotics in the area to maintain balance, the harmful bacteria become prevalent and cause infections and ill health.

The key to a healthy and safe indoor environment therefore, is to restore natural microbial balance between harmful (pathogenic) and helpful (probiotic) bacteria.

The **Ingenious Probiotic Air Dispenser** carefully restores this healthy microbial balance by slowly releasing carefully chosen, high quality probiotics into the room. These helpful probiotics are completely safe and naturally sourced from plants. They gently land on all hard and soft surfaces and thoroughly clean whatever they touch.

Prevents Infections & Reduces Mould, Bio-Allergens & Odours

The helpful probiotic bacteria inhibit the resident harmful bacteria, which significantly reduces the risk of contracting bacterial infections such as E. coli.

They reduce bio-hazards and bio-allergens that cause allergic reactions - including pollen, animal dander, skin flakes, dust mite faeces and mould. This reduces allergy symptoms and immune system reactions such as asthma and hay fever. The probiotics also actively eliminate unpleasant odours by removing the root cause. This removes the need for polluting chemical air fresheners.

The resulting natural, protective and balanced microbial environment is called a healthy microbiome. The whole indoor space is cleaner, fresher and safer.

The **Ingenious Probiotic Air Dispenser** is suitable for all building applications and is available in a range of sizes and either duct fitted, wall mounted, or standalone.

The dispenser can easily be installed or retrofitted to air conditioning and ventilation duct work. This improves indoor air quality and minimises mould and pathogenic bacteria being blown into occupied areas or into air conditioning, heating & ventilation duct work. This helps meet CIBSE TM40 air hygiene recommendations.



Available in 6 sizes for all applications - standalone, wall mounted or in duct

- ✓ **Continually cleans, re-balances & enriches indoor spaces.**
- ✓ **Cleans difficult to reach areas & soft furnishings.**
- ✓ **Choice of natural scents including lemon, mint & pine.**
- ✓ **Helps meet CIBSE TM40 recommendations for indoor hygiene & air quality.**



T: +44 1268 544530 | E: enquiries@pure-ingenious.com | W: www.ingenious-probiotics.com

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INGENIOUS PROBIOTIC AIR DISPENSER REFILL

Denaa+ MICROBIAL CLEANING

Thoroughly Cleanses & Balances the Indoor Environment

The **Ingenious Probiotic Air Dispenser Refill** solution is packed with the cleansing power of naturally sourced, plant-based, completely safe, 'good' bacteria called probiotics. These high quality, helpful probiotic bacteria are one of nature's most powerful assets. When gently diffused into a room through the **Ingenious Probiotic Air Dispenser**, they clean everything they touch at a deep microbiological level - safely, naturally and thoroughly.

Creates an Increasingly Healthier Microbial Environment

The helpful probiotic bacteria restore healthy microbial balance (a healthy microbiome) and create a healthier, safer and more protective indoor environment:

They inhibit opportunistic pathogenic bacteria, which significantly reduces the risk of contracting bacterial infections. They improve allergy management by reducing the bio-allergens -including dust mite faeces, skin flakes, animal dander and pollen - that trigger allergic reactions such as asthma and hay fever. This also reduces the risk of mould growth.

The probiotics also actively eliminate the root causes of unpleasant odours. A wide choice of natural scents can be added to the diffuser if preferred. These include: aloe vera, apple, basil, lemon, kiwi, mint, pine, pomegranate, seaweed, thyme and vanilla. This reduces the need for chemical masking air fresheners.

All ingredients are naturally sourced, chemical-free and non-polluting. Probiotics work in natural, mechanical way that has long lasting results and reduces bacterial (antimicrobial) resistance.

INSTRUCTIONS

Screw securely into the **Ingenious Probiotic Air Dispenser** as per the manufacturers instruction.

RECOMMENDATIONS

- For use with the **Ingenious Probiotic Air Dispenser**.
- Do not use with products that may change effectiveness.
- for use on waterproof surfaces only.
- Avoid contact with eyes.
- Store in a dry place 10°C - 35°C.
- Keep out of the reach of children.

COMPOSITION

- Water Plant-based Probiotic bacteria (auto-active microorganisms)
- pH Stabiliser
- Choice of optional natural aromas

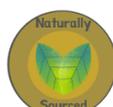


Bottle - 300ml
Eco-Friendly Refill
Option - 5 litres

- ✓ **Inhibits pathogenic bacteria.**
- ✓ **Reduces dust mite faeces, pollen, mould & other bio-allergens.**
- ✓ **Eliminates unpleasant odours; optional natural aroma.**



ASK ABOUT THE RANGE!





IN-DUCT SURFACE & HIGH GRADE AIR PURIFICATION

REMOVES BACTERIA, VIRUSES, ALLERGENS, TOXINS & PARTICULATES



Delivers Cleaner & Healthier Air on a Large Scale

The **Ingenious In-Duct System** provides high grade air purification with the option to add probiotic hard and soft surface purification. Combining the two creates optimum cleanliness, indoor air quality and infection control. The system continuously cleans air and hard and soft surfaces - including privacy curtains and door handles - at a deep microbiological level.

The **Ingenious In-Duct System** significantly reduces health-damaging indoor contaminants: pathogenic bacteria and viruses, bio-allergens (including pollen and mould spores), toxins and gaseous pollutants, and particulates down to 0.3 micron (including dust and microplastics).

This creates a healthy and protective indoor environment. The system is ideal for single and multiple room applications in gyms, sports and wellness facilities - and offices. It is especially beneficial for buildings that require infection prevention or improved indoor air quality (IAQ).

This innovative system can also be incorporated into existing heating, ventilation and air conditioning (HVAC) systems.

Removes Dust & Plastic Particulates from the Air

There is a science to clean and healthy indoor air. When probiotic surface purification meets high grade air purification the result is simple - superior indoor air quality that prevents infection and optimises human (and animal) health. It significantly reduces infectious airborne viruses, pathogenic bacteria - including MRSA, MERS, pneumonia, E. Coli and C. Difficile - and chemical and gaseous pollutants and carcinogens, including carbon monoxide, pesticides, formaldehyde and nitrogen dioxides. It also improves allergy management by removing the triggers of allergic reactions - including pollen, animal dander and mould spores.

The **Ingenious In-Duct System** also significantly reduces dust and plastic particles down to 0.3 micron, which has a protective benefit. The body struggles to remove plastic fibres that are inhaled, and the long term health impact is not yet fully understood.

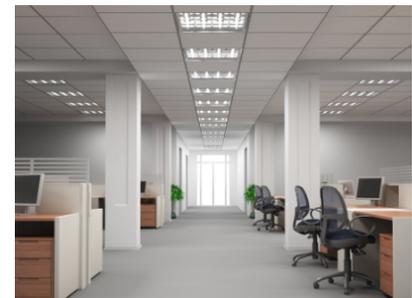
SPECIFICATION

- Filter - electrostatic MERV-13 needed
- Power - 240V/50Hz.
- Fuse - AGC 2 amps.
- UV lamps - UVC germicidal wavelength - 254 nano-meters.
- Titanium catalyst - 12,200 cells/4,583 sq. in. of surface area.
- Service internals - replace filter every six months (minimum) and UV lamps every twelve months.
- Unit dimension - 635mm x 254mm x 457mm.
- Flange - 13mm around unit.
- Unit weight - 10kg.
- Shipping box - 735mm x 280mm x 530mm weighing 13.5kg.

✓ **Reduces airborne viruses & airborne & surface pathogenic bacteria.**

✓ **Reduces Volatile Organic compounds (VOCs) & unpleasant odours.**

✓ **Reduces bio-allergens, dust & microplastic particulates down to 0.3 micron.**



INFORMATION

- Can be retrofitted to existing HVAC systems.
- Can be part of new installations.

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IN-ROOM SURFACE & HIGH GRADE AIR PURIFICATION

REMOVES BACTERIA, VIRUSES, ALLERGENS, TOXINS & PARTICULATES

Delivers Cleaner, Healthier & Safer Air

The **Florence Purifier** is a standalone, portable infection prevention unit that significantly reduces health-damaging indoor contaminants: pathogenic bacteria and viruses, bio-allergens (including pollen and mould spores), toxins and gaseous pollutants, and particulates down to 0.3 micron (including dust and microplastics). **Florence** also removes unpleasant odours, which creates a more pleasant environment, without the need for masking air fresheners.

The bespoke design provides a simple way to deliver high quality air to different single room applications. **Florence** can be wall or ceiling mounted and has an adjustable speed fan that enables use in small, medium or large size rooms. Florence can also be positioned on a wheeled stand (shown in the image) that is ideal for treatment areas and is especially useful for wellness clinics. Florence also improves indoor air quality (IAQ) in rooms such as offices.

Florence provides high grade air purification. **Florence Pro** combines high grade air purification with probiotic purification for hard and soft surface.

Removes Dust & Plastic Particulates from the Air

There is a science to clean and healthy indoor air. When probiotic surface purification meets high grade air purification the result is simple - superior indoor air quality that optimises human (and animal) health. It ensures that only the healthiest air exists in any given environment - by significantly reducing infectious airborne viruses, as well as surface and airborne pathogenic bacteria - including MRSA, MERS, pneumonia, E. Coli and C. Difficile.

Florence also removes chemical and gaseous pollutants and carcinogens - including carbon monoxide, pesticides, formaldehyde & nitrogen dioxides - and the bio-allergens (including pollen and mould spores) that trigger allergic reactions.

Florence also significantly reduces dust and microplastic particles down to 0.3 micron from the air, which has a protective benefit. The body can struggle to remove plastic fibres that are inhaled and the long term impact on health is not yet fully understood.

SPECIFICATION

- Unit dimension - 470mm x 650mm x 600mm OR a bespoke option.
- Unit weight - 15kg.
- Maximum airflow - 500 litres/sec.
- Power consumption - 200w.
- Voltage - 220v/1ph/50Hz.
- UVC germicidal lamp - 20 watts.
- Micro-watts at surface per cm² - 16,000.
- Micro-watts at surface per cm² @ 1ft - 540.
- UVC germicidal wavelength - 254 nano-meters.
- Filter - 0.30 micron hospital grade.
- Service internals - replace filter every six months (minimum) and UV lamps every twelve months.
- Catalyst - TiO₂ anatase for photocatalytic oxidation.
- Filter efficiency % - 99%.
- Sound level dBA - 48 to 68.



✓ **Reduces airborne viruses & airborne & surface pathogenic bacteria.**

✓ **Reduces Volatile Organic Compounds (VOCs) & unpleasant odours.**

✓ **Reduces bio-allergens, dust & plastic particulates.**



INFORMATION

- Plug & play.



IN-ROOM PORTABLE HIGH GRADE AIR PURIFICATION

**CLEANER, HEALTHIER & SAFER AIR FOR
SMALL ROOMS**



Removes All Three Types of Serious Indoor Pollution

The **Portable High Efficiency Purification System (HEPS)** provides the same powerful high grade air purification as the **Florence Purifier**, but in a smaller, easily portable unit. It creates a cleaner, healthier and safer indoor environment for small, single rooms.

The **HEPS** provides superior indoor air quality that optimises human health. It is ideal for applications that need improved infection prevention - including gyms and sports and fitness facilities and wellness clinics. It also improves indoor air quality (IAQ) in rooms such as offices.

Reduces the Spread of Airborne Infections

The **HEPS** cleans the air by significantly reducing the contaminants known to affect indoor air quality. It significantly reduces infectious airborne viruses, and surface and airborne pathogenic bacteria - including MRSA, MERS, pneumonia, E. coli and C. difficile.

The **HEPS** also removes chemical and gaseous pollutants and carcinogens - including carbon monoxide, pesticides, formaldehyde and nitrogen dioxides - and the bio-allergens (including mould and pollen) that trigger allergic reactions. It significantly reduces dust and microplastic particles down to 0.3 micron from the air, which has a protective benefit. The body can struggle to remove plastic fibres that are inhaled, and the long term impact on health is not yet fully understood.

The **HEPS** also removes unpleasant odours, which creates a fresher smelling and more pleasant environment, without the need for masking air fresheners.

✔ **Reduces airborne viruses & airborne & surface pathogenic bacteria.**

✔ **Reduces Volatile Organic Compounds (VOCs) & unpleasant odours.**

✔ **Reduces bio-allergens, dust & plastic particulates.**



SPECIFICATION

- Unit dimension - 450mm x 540mm x 200mm.
- Unit weight - 10.5kg.
- Maximum airflow - 100 litres/sec.
- Power consumption - 100w.
- Voltage - 220v/1ph/50Hz.
- UVC germicidal lamp - 10 watts.
- Micro-watts at surface per cm² - 16,000.
- Micro-watts at surface per cm² @ 30mm - 540.
- UVC germicidal wavelength - 254 nano-meters.
- Stage 1 Pre-filter - 5 microns.
- Stage 2 HEPA filter - 0.30 micron hospital grade.
- Stage 1 & Stage 2 gas absorption layer - activated charcoal.
- Application range - up to 50m².
- Service internals - replace filter every six months (minimum) and UV lamps every twelve months.
- Catalyst - TiO₂ anatase for photocatalytic oxidation
- Filter efficiency % - 99%.
- Sound level dBA - 48 to 68.

INFORMATION

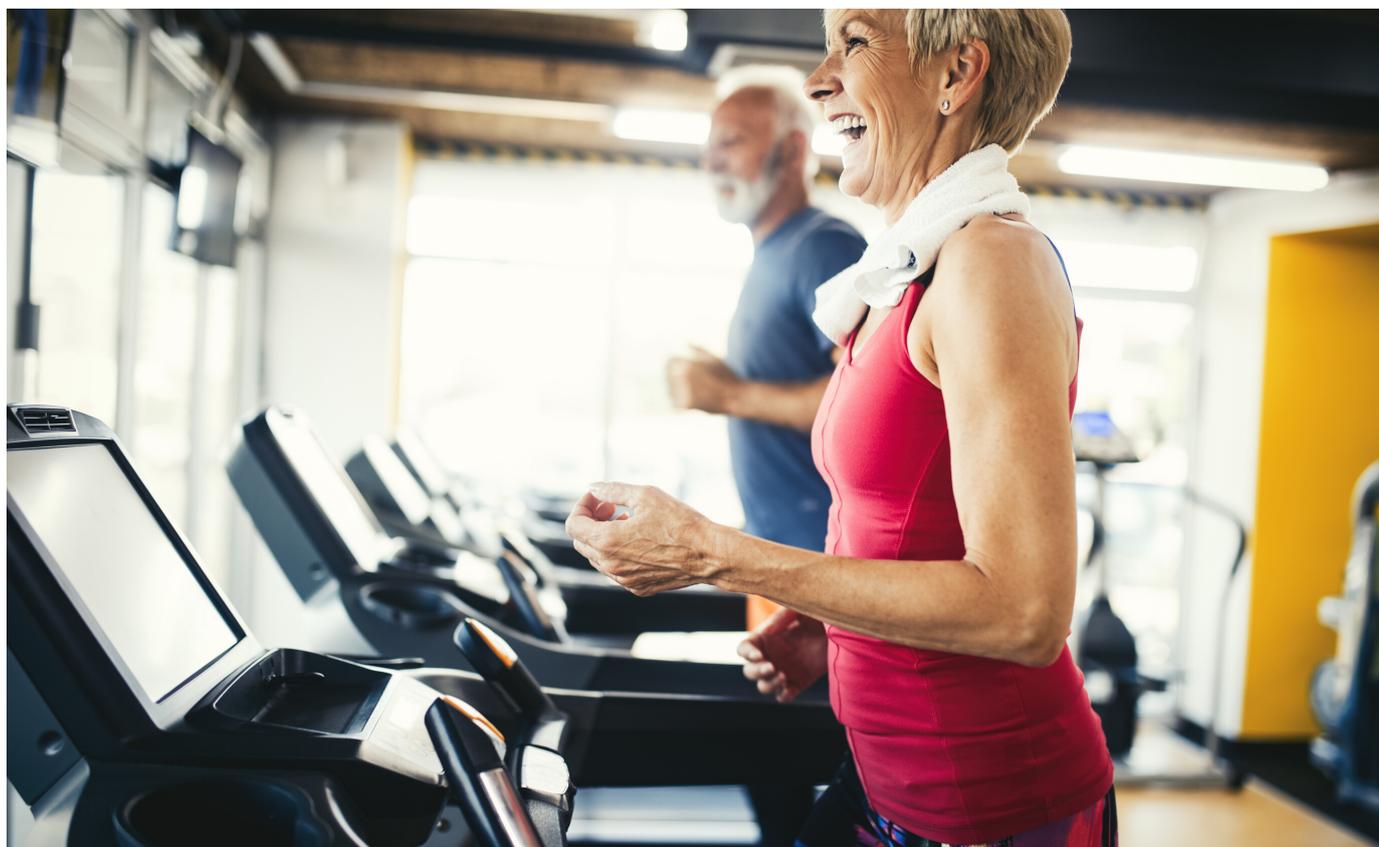
- Plug & play.

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