

Berosafe

Partner of the company DEBETEK for
sales, trading, assembly and maintenance

www.berosafe.de



Purification · Oxygen Activation · Air Freshening



DEBETEK

Air Purification Hygiene System

For a pleasant and healthy indoor climate

 Made in Germany 

Patent in the USA: U.S. Patent No. 8,459,050 • Patent in China: Patent No.: ZL 2010 1 0282428.1 • Utility model in Germany: No. 202010005686.1
Patent application in Germany: No. DE 102010020508A1 • Patent application in India: No. 2494/MUM/2010

DEBETEK uses oxygen activation to refresh and purify your indoor air



The innovative **Air Purification Hygiene System** is a patented brand-name product. The system was developed with a view to protecting our most valuable asset - the health of human, animals and the environment. It provides HVAC, ventilation and air conditioning system operators with pleasant and fresh oxygen-activated room air using the existing air-flow.

Should they require it, customers may opt to add an extra touch of pleasant oxygen-activated air freshening. This hygienic combination enables an unparalleled and professional level of indoor air hygiene and air freshening, particularly in sensitive and complex building areas.

The DEBETEK Air Purification Hygiene System for rooms with an HVAC system



Run on non-harmful and environmentally-friendly oxygen-activating products, the **innovative Air Purification Hygiene System** saves HVAC, air-conditioning and ventilation system operators extensive maintenance, cleaning and energy costs. At the same time, the system creates pleasant oxygen-activated hygienic air for your interiors on a sustained basis. The system is the world number one in HVAC, air conditioning and ventilation technology.

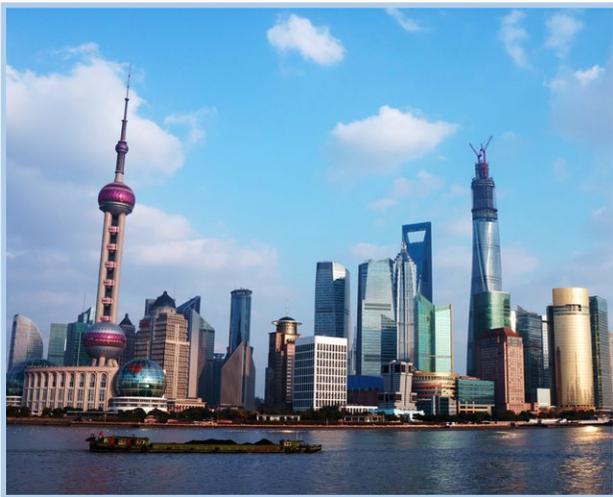
Air purification and freshening

Fresh, pleasant and healthy ambient air is crucial to making your guests, customers and visitors feel at home. The air purification system creates a healthy, oxygen-activated, fresh and pleasant indoor climate.



For offices and workplaces

Our system refreshes and thoroughly purifies the air in your offices and conference rooms, creating a healthy working climate that meets the highest standards, for a positive impact on your staff and visitors.



For apartments and living spaces

Fresh and hygienic oxygen activation helps you improve your air quality. It reduces odours (sick-building syndrome), impurities and pollutants.



For shopping centres and stores

The ***Air Purification Hygiene System*** offers your customers and staff alike pleasant, fresh oxygen-activated air within your sales areas. Transform your sales spaces into a special shopping experience and a place where people will want to linger and return.

For hospitals and care

The ***Air Purification Hygiene System*** reinvigorates your interior areas with hygienic and pleasant oxygen-activated air and reduces odours and impurities, while at the same time offering individually selectable room freshening. This promotes the well-being of your patients, staff and visitors alike.



For hotels and spas

Here too, you can benefit from the pleasant and fresh combination of oxygen-activated ambient air as well as air freshening. Give guests great memories and a reason to return again and again!



For food and production

The ***Air Purification Hygiene System*** will improve not only your air quality, but also your production and industrial hygiene. Thereby protecting your room air, products, staff and interiors against impurities and odours.



The DEBETEK Dual Substance Nozzle System for rooms without an HVAC system

The **Dual Substance Nozzle System** was developed for industrial spaces which operate **without** HVAC systems. This is highly recommended for hygienic indoor air humidification.

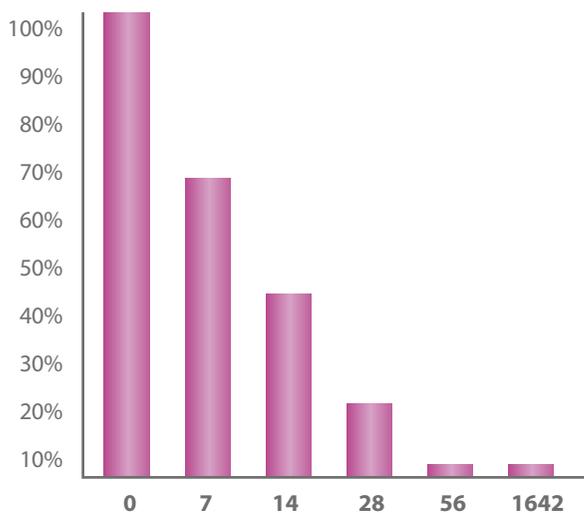
Oxygen-activated air boosts the working conditions and well-being of your staff on a sustained basis. Thus, the Dual Substance Nozzle System offers you the same advantages as an **Air Purification Hygiene System** with an HVAC system.



DEBETEK system in-operation findings

Biocide products (disinfectant) approved under the EU Biocide Regulation No. 528/2012 must be used for disinfection measures.

Existing germs in percent



DEBETEK system germ reduction, duration in days

Approx. 1450 microbiological samples were taken and analysed during day-to-day operations. The studies were sometimes carried out by the operator in-house and sometimes by several independent hygiene institutions.

Surfaces sampled

22 HVAC systems were analysed plus the associated surfaces of connected interior areas

HVAC systems

Unit chambers, filters and built-in components

Duct systems

External air, supply air, circulating air and exhaust ducts

Filters

G4, F5, F7, F9, HEPA 13 and supply air outlets

Interiors

Room surfaces, air and objects

Functional areas tested

Operating theatres, intensive care units, production spaces, open-plan offices, outpatient clinics, lounges, corridors and side rooms, laboratory areas, packaging and storage areas.

The DEBETEK Air Purification Hygiene System

The **Air Purification Hygiene System** can be connected to an existing HVAC, air-conditioning or ventilation system. The nozzle systems are installed in the external air and supply air ducts of the HVAC system. **The innovative and environmentally-friendly, oxygen-activated air purification and freshening system is both safe and effective, and the only of its kind.**

Not only are odours and impurities reduced in the system components of ventilation and air-conditioning systems, but also in the downstream interior areas. The activated oxygen purifies air in a way that refreshes, reinvigorates and improves indoor air like never before. Only a few millimetres of **air purifier** need be lightly sprayed in the ventilation system at regular intervals. The dosage of the air **purifier** is adapted specifically to the indoor space volume.



System data

Service cabinet:	1250 x 570 x 505 mm (H x B x T)
Mark:	CE
Electrical consumption:	25W/h depending on configuration
Operating voltage:	230 V mains plug
Operating console:	Display & MSR technology
Side compartment:	Operating & servicing documents
BSC connection:	present
Nozzle systems:	Stainless steel V4A, 24V/DC
Colour:	RAL 7035
Operating pressure:	3 bar
Weight:	94 kg
Supply air duct:	Pressure can V4A, 24 V/DC
Supply air duct:	PT 100 temperature sensor
Operating supplies:	DEBETEK air purifier

DEBETEK operating supplies for air purification and freshening:

Air purifier, air purifier + Green Apple, air purifier + Lemon Fresh, air purifier + Mango, air purifier + Peach, air purifier + Mandarin, air purifier + Orange



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Your expert adviser for air and water.

Air purification hygiene systems & internal corrosion protection for pipes & containers.

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