

PURE INDUCT

FOR THE BEST AND CLEANEST VENTILATION AIR

It will be clear that air pollution is a problem that we all have to deal with. Air pollution comes in various shapes and sizes. One of those is fine dust. Anywhere in the world where there is traffic or industry, fine dust is released. It is even in the countryside air. Fine dust consists of the very smallest particles that differ in size, origin and composition. Research shows that breathing in fine dust is harmful to health. The smaller the particles, the further they penetrate the body. With the Pure induct, Brink offers a solution that keeps these tiny particles out while your home is fully ventilated with the best and cleanest air possible.

Air quality is crucial

Every day we breathe more than 25,000 times. It is of course very important for your health that the air quality is as high and healthy as possible. You will feel fitter and more at ease. You can concentrate better. Healthy air can even ensure a longer life. Through innovation and the use of its expertise, Brink wants to ensure that as many people as possible can enjoy that healthy air at home. The Pure induct is such an innovation.

Excellently filtered air

The Pure induct is a modular addition to the central balanced heat recovery ventilation system (HRV). The module is placed in the duct that transports fresh air from the HRV unit to the home. The standard HRV unit filters (ISO Coarse filters; G4 filters) filter the first pollutants from the fresh outdoor air. An optional ISO ePM1 filter (F7 filter) has a higher efficiency and already captures more of the smallest particles such as fine dust, fungi, spores and pollen. The Pure induct is the most efficient

filter. It removes almost all ultra-fine dust particles, smog, soot particles, bacteria and viruses. This leaves the indoor air optimally purified and, consequently, as clean and healthy as possible.

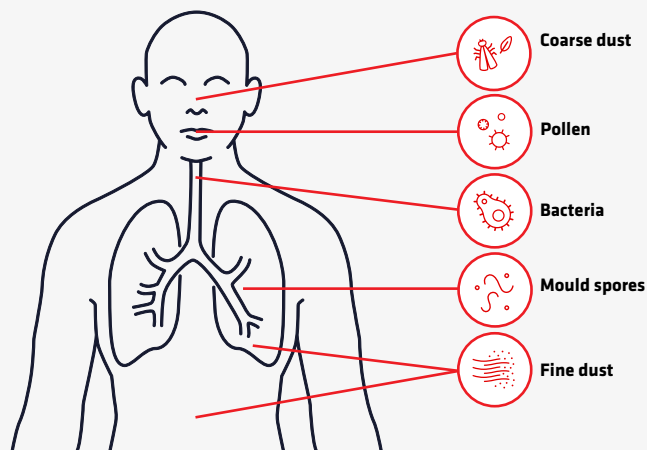
Ultra-fine dust

Fine dust particles enter the body by breathing. The smaller they are, the farther they penetrate. When inhaling, the nose blocks the larger dust particles. Fine, small particles may end up in the trachea, lungs or even in the bloodstream. That makes it important for your health to prevent these ultra-fine dust particles from entering your body and to keep them out of your home.

PURE INDUCT FILTER POWER Measurement of retention efficiencies

Parameter	Results
Efficiency of particle fraction 0,3 - 7,0 µm	99,94%
Efficiency of mould spores ≤ 100 µm	97%
Efficiency of bacteria ≤ 100 µm	98%

According to TÜV Report No.: TR-KKL-2020-053-S1



Features

The Pure induct uses ionisation. The ionisation process ensures that all particles in the air are charged statically. The specially conditioned, statically charged filter in the Pure induct then captures these particles. This way, all contaminants disappear from the air and purified, healthy air enters the home. Note: the high effectiveness is only guaranteed when a genuine Brink filter is used.

Prolonged effectiveness

The filter in the Pure induct has a lower resistance than the heavier HEPA filter, while its static features combined with particles ionisation makes it just as effective. The filter clogs up less quickly which gives it a longer service life. This service life can be extended further by replacing the standard filter in the heat recovery unit by an ISO ePM1 filter (F7 filter). This filter gets the first small particles from the air. That makes the special Pure induct last even longer and that saves costs.

Safe

Many ionisation-based systems release ozone. Ozone is detrimental to your health. The highly advanced Pure induct technology ensures that no harmful ozone is formed. That makes the Pure induct perfectly safe to use.

Installation

The Pure induct is installed in the duct downstream of the HRV unit before the air flows into your home. For new buildings as well as when upgrading an existing installation, it is important to allow for the required installation space. Please refer to the Pure induct installation instructions at www.brinkclimatesystems.com/downloads.

Maintenance

After installation, you hardly have to worry about the Pure induct. Just like the filters in the HRV unit, the special Pure induct filter must timely be replaced. Excellent filtering is only guaranteed with the genuine Brink filter. How to replace filters is explained in the relevant installation instructions that you can download from www.brinkclimatesystems.com/downloads. How long a filter can be used, depends on the pollution in your area. You will find it a reassuring thought to see how much material has been filtered from the air so it had no chance to end up in your body.

The advantages at a glance

- The cleanest air for a longer life
- Filters the smallest fine dust particles
- Fully automatic operation
- More effective than a HEPA filter
- Excellent and low-energy ventilation with heat recovery ventilation (HRV)



Technical specifications Pure induct

Dimensions H x W x D	361 x 765 x 393 mm
Weight	7,1 kg
Maximum air volume	600 m ³ /h
Rated power	4 W
Voltage	230 V/ 50 - 60 Hz
Duct connection (using reducers)	Ø 125 - Ø 250 mm