



befresh

Always fresh air.

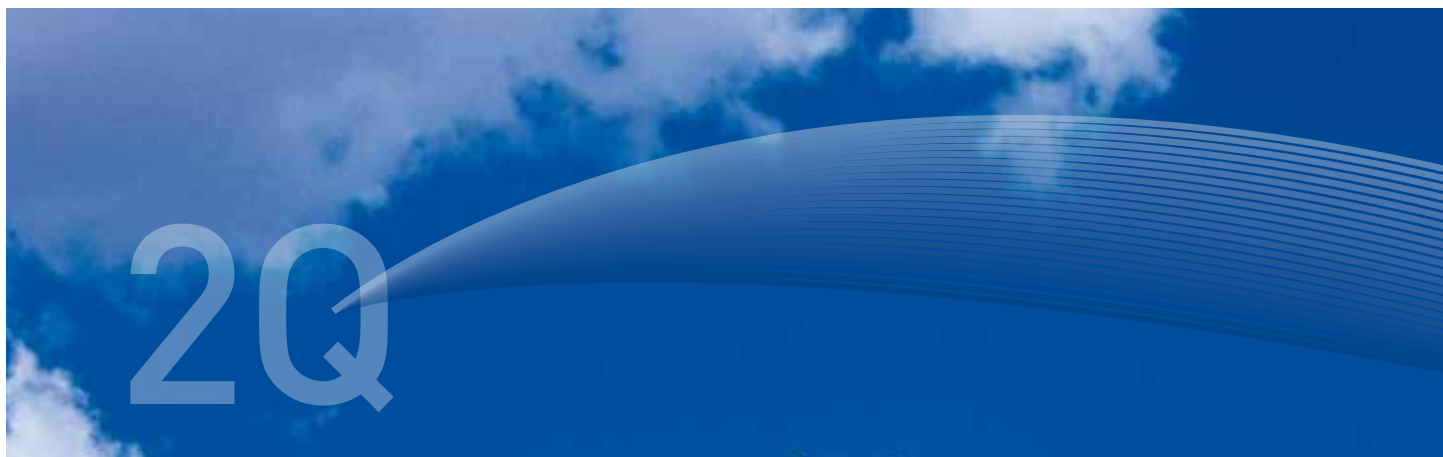
Do you love fresh air?

Pluggit befresh Air Systems



PLUGGIT

Immer frische Luft



The Pluggit befresh Fresh Air System is a typically innovative idea from Sweden. Just as affordable as H & M, just as practical as Ikea and just as safe as Volvo – and really ingenious. Where else could you have a healthy atmosphere in a room, save money and even increase the value of your home?

Fresh air for your home –

**energy savings, health,
quality of life and costs savings
through controlled ventilation from Pluggit**

The technology makes the difference.

2Q

Cross and displacement ventilation – Fresh air perfectly designed, almost without draughts and annoying noises, and preheated if desired.

allfloor

allfloor – The system concept from Pluggit offers maximum flexibility when laying ventilation channels.


ServoFlow

ServoFlow – Control and supply with exactly the required or desired amount of fresh air.

<EE>

Energy efficiency – Optimum ratio of used energy and degree of heat recovery achieved.

CleanSafe

CleanSafe – Almost impossible potential for dirt through technically smooth surfaces together with a balanced cleaning concept.

Fresh air for your home

Energy savings

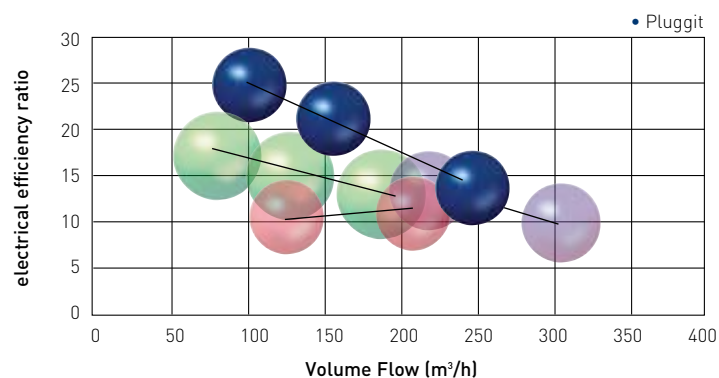
The Pluggit befresh Air Systems

- Save energy and protect the environment
- Reduce CO₂ emissions by around 1.1 tonnes
- Offer high heat recovery with the best energy efficiency

The generation of heat makes up more than one third of Germany's energy consumption. The lion's share of this is consumed in private households. Not only the constantly increasing energy prices, but also the equally increasing awareness of energy savings, demands innovative solutions.

You can save most effectively with a fresh air system with heat recovery. The greatest potential for saving energy is in the area of ventilation heat losses. This is the energy that "blows away" uncontrolled to the outside through open windows. Ventilation through windows is the largest contributor to the heat loss of a building, comprising almost 40 %, followed by outside walls and hot water, each contributing only about 10 %.

Figure "Energy efficiency, based on the Pluggit Avent P300"



The Avent P300 from Pluggit (see chart) achieves a high electrical efficiency ratio. So you can save compared to competitive products as much as 50 % of the needed electricity costs!



Fresh air for your home

Health and quality of life

The Pluggit befresh Fresh Air Systems

- Provide healthy air quality in your living space
- Keep noise, dirt and insects “outside the door”
- Protect against the risk of rot and mildew
- Ease allergy problems
- Guarantee the regulated hygienically necessary air exchange
- Offer possibilities for additions, e.g. filters for air pollutants and pollen

Even though you save so much money due to lower heating costs with the Pluggit befresh Fresh Air Systems: **the new quality of life that comes with Pluggit is simply priceless.**

The proverbial “feeling of well-being” depends much more than we realise on the quality of the air we are constantly breathing in. Thus the living quality achieved through a good atmosphere in your living space gives you much more: a priceless quality of life.

Your new home is built today in accordance with European energy saving regulations and so is properly insulated.

For good air quality in your living space and for the statutory minimum air exchange you would have to open opposing windows fully every two hours – day and night – even if no one is at home. Impossible in everyday life and very expensive during the heating season. The Pluggit befresh Fresh Air Systems guarantee the regulated hygienically required air exchange within the framework of EU requirements.

The modern Pluggit systems provide a **regulated fresh air supply** and the reliable removal of stale and damp air. For your health and your well-being – with every breath of air you take.



Fresh air for your home

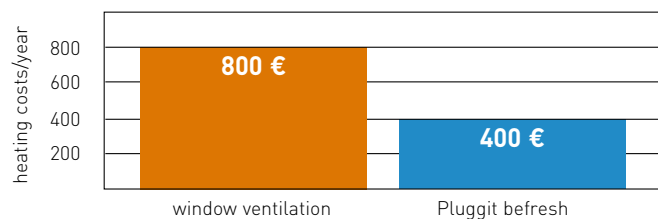
Costs savings from the very first day

The Pluggit befresh Fresh Air Systems

- **Save approx. 50% of the heating costs from the very first day**
- **Pay for themselves over the shortest period as a result of the savings**
- **Can qualify for state subsidies**
- **Maintain the intrinsic value by protecting against damp and mildew**

With a Pluggit befresh Fresh Air System you can save approximately 50% of your overall heating costs, depending on the size of the house, insulation and the way you personally use your ventilation. **This means cash in terms of your annual heating bill, year after year – from the very first day.** In this way, the system pays for itself not just with regard to your well-being. State subsidies are also possible when installing in low-energy and passive houses.

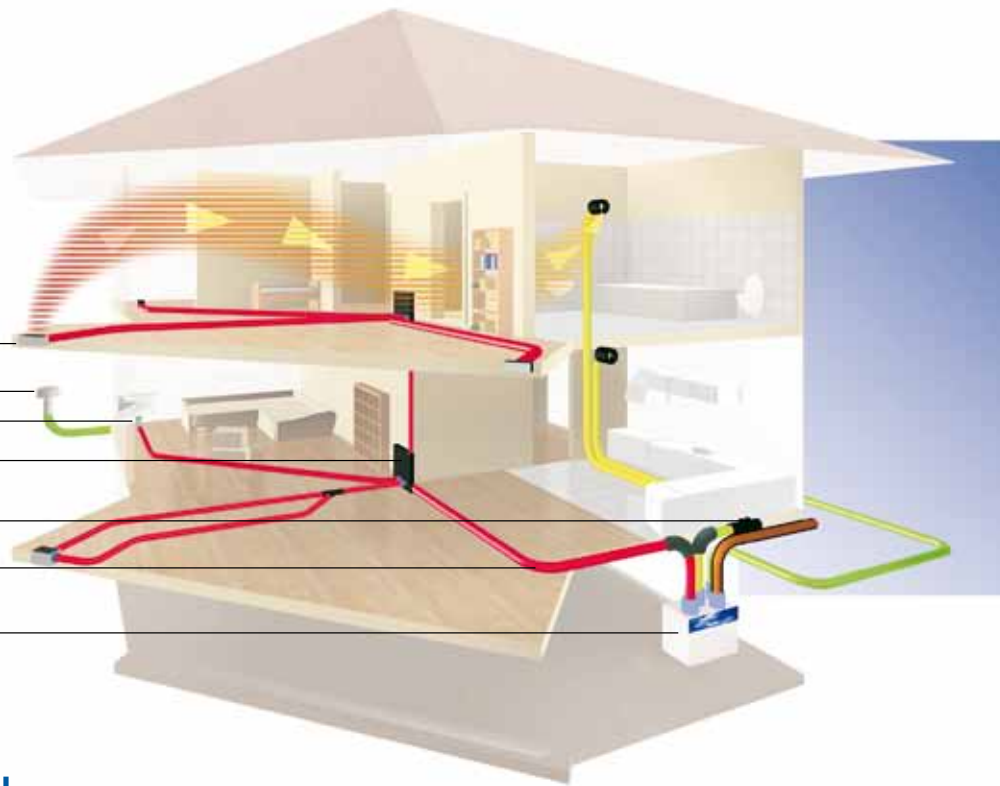
400 € heating costs savings per year!



Pluggit befresh Fresh Air Systems also massively and sustainably increase the intrinsic value of your home. An independent investigation carried out by the Technical University of Dresden has proved that almost one house in six is already showing visible signs of damage due to damp. And when mould gets into corners, this is clearly a threat to the value of your home. It is different with Pluggit: By installing modern controlled ventilation of your living space, **you are already making your home worth more today than a comparable house without this technology.** You are thus sure of preventing the threat of a fall in the value of your home due to damage caused by damp, for years to come. More Pluggit, more value.

- External air
- Supply air
- Exhaust air
- Extract air

- Floor outlet
- Geo thermal collector
- PluggMar
- Supply air distribution unit with central control of air volumes
- Exhaust air collection unit with central control of air volumes
- PluggFlex duct installed in the unfinished floor
- Fresh air unit Avent P300



How fresh air works

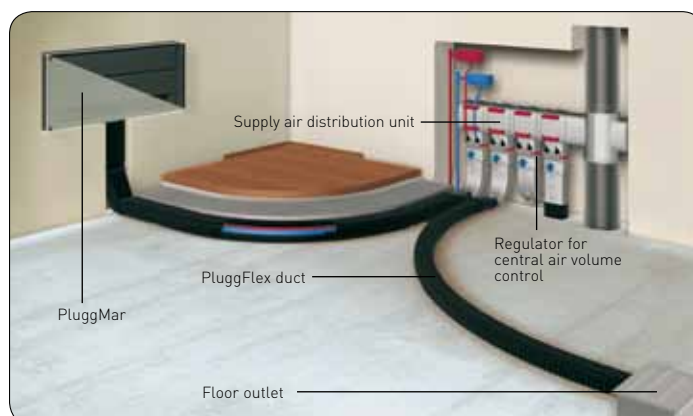
Intelligent technology

- **Ventilation with central control of the supply and exhaust air**
- **Tested cleaning capability**
- **Quick and simple assembly using the connector system, flexible ducts and hoses**
- **Great additional benefits through potential for integration**

Of course, behind the name Pluggit there are extremely technically sophisticated systems. However, basically they operate quite simply: the fresh external air is drawn in by the fresh air unit, either directly or via a geothermal collector. After filtering, this air is delivered to the living, sleeping and working areas.

Then the air flows to the hallway, corridor and the exhaust air rooms - kitchen, bathroom and toilet. The damp and stale air is then reliably fed outside, e.g. via the external wall of the house. Through this unique individual connection for each room, the transmission of noise between rooms is also prevented.

You can combine the Pluggit befresh Fresh Air System with any heating system of your choice, or you can choose the unique PluggMar air heating unit combined with underfloor heating for bathrooms.





Top-Design by Tiril Grung

PluggMar – Fresh air and gentle heat

The Pluggit befresh Fresh Air Systems

- **Optimum air quality for your living space**
- **Excellent energy cost savings**
- **A new dimension in “Heating Design”**

Pluggit has developed another innovation for huge cost savings: PluggMar. It combines the two major functions of **fresh air supply and heat transfer into one unit**. And at the same time it provides the greatest comfort: air speeds around the PluggMar air heating unit and supply temperatures are extremely low. The continuous, gentle supply of pleasantly heated fresh air without any annoying noises or draughts thus provides optimum quality of air in your living space and an ideal atmosphere to live in. The PluggMar reacts **quickly and flexibly**, unlike normal heating systems, and due to its lower storage volumes it can **be controlled exactly** as you want and **helps to save energy**. A further major advantage: unlike all other heating systems, the PluggMar can achieve different layers of temperature in a room with virtually ideal results.

Top-Design

There has never been such a beautiful heating system: aesthetically pleasing faceplates made from high quality safety glass, in standard colours of white and silver-grey, are complemented by individual solutions. These can be matched to your interior design according to your personal taste.

The technology makes the difference.

Innovations from Pluggit with benefits for humans and the environment

2Q

A perfectly aligned cross-ventilation is the result of invisible installation under the floor and perfect positioning of the air outlet. The term "Quelllüftung" means that fresh air is conveyed into the room almost noiseless, without interferences, pressure and in the cold months of the year actually preheated.

PluggMar®

Fresh air and heating in one – fast, flexible and more energyefficient than common heating systems.

allfloor

allfloor – in ceilings, walls over and under the concrete and screed – the system design provides maximum flexibility when installing the air ventilation ducts and therefore it is perfect for the application in new buildings as well as for renovation of existing buildings.



ServoFlow

This innovative technology provides a definite required or desired amount of fresh air thanks to a highly sensitive sensor system and control. After the installation the system will analyse the installation at the push of a button and automatically recalibrates in regular intervals saving cost and time.

EE

Energy efficiency – a ventilation system seems efficient just due to a high heat recovery rate. In fact, the ratio of the energy spent and the attained heat recovery rate are rather decisive for the rating – the so called electrical energy efficiency. Thanks to the high density, a consumption-optimized air handling unit design and the latest heat exchanger technology, these ventilation systems attain excellent values referring to heat recovery as well as to energy efficiency.

CleanSafe

The principle of CleanSafe guarantees a nearly impossible pollution capability of the distribution system due to technical plane surfaces and in addition a trouble-free cleaning concept, for which an independent testing institute has confirmed convincing results.



refresh
by PLUGGIT

Do you like fresh air in existing appartments? The outstanding fresh air system for the energetic retrofit.

Do you love fresh air? For more information about the company, the intelligent technology of the Pluggit befresh Fresh Air Systems, references and distribution partners, go to www.pluggit.com or for dialogue go to www.lueftungsblog.de



PLUGGIT
Immer frische Luft