Air heating, the logical choice for comfort
There are some things in your life that you want to be perfect. Take for instance heating and ventilation of your dwelling. A long-term investment for which you do not accept any compromise. You may have an extensive wish list. You want your house to be pleasantly warm at a friendly price. And you not only want heating in winter, but also coolness in summer. Preferably controlled by one system.

WARMING TO AIR HEATING
You set great store by a healthy and sufficient fresh air in your daily living environment. And of course ecological awareness is important to you. Can you identify with these wishes? Then air heating is the most logical choice, of course by Brink Climate Systems, your professional partner for one system for heating and ventilation of ever room in your home. Throughout the year. Easy to extend with cooling, so it satisfies your wishes in every season. A choice that makes sense from an ecological viewpoint as well. We shall be glad to give you a step-by-step explanation of a superior system. For who doesn’t warm to air heating? And who doesn’t want to enjoy healthy air?

A ‘BETTER’ INDOOR ENVIRONMENT
Modern dwellings are built with optimum insulation and almost without any cracks. That saves a lot of energy. But the almost complete elimination of unintended ventilation through cracks has an adverse influence on the indoor environment. Air heating brings you back the things you cherish: a healthy oxygen content, and improved air purity, without dust, and improved humidity control, in short: “a better indoor environment”. No luxury when you realise that in the Netherlands some 90% of all 6 million homes fall short of the indoor air quality standards.

A CONSTANT, PLEASANT CIRCULATION OF PURIFIED AIR THROUGH YOUR HOME
The air heating system can be explained in one sentence: constant and pleasant air circulation, warm and cozy or refreshingly cool, throughout the home on the basis of fresh and filtered air. But it’s many advantages? For that we need considerably more space. With its clever design, air heating is hardly visible and it guarantees you a perfect indoor environment. In every room and with an unrivalled high efficiency. Not only in cold winters, but also during hot summers. For Brink air heating effortlessly combines heating and cooling. In short, comfort throughout the year in one system! Can you imagine anything better? Your fuel costs drop and it is good for your health because of the improved indoor environment. An additional advantage that should directly be noted is the fact that the system simply carries off all excess vapour from your home. Of course such an innovative system requires an intelligent control unit. You benefit from the intelligent cooperation between the modulating room thermostat and the air heating control computer. You will never find it too cold or too hot. An ideal balance that can perfectly be geared to your sensitivity.

It really is fantastic!
In your own home you breathe in the healthy, filtered outdoor air. Heated or cooled as necessary.

Comfort throughout the year.
In one system!
Air heating does not use water to transport the heat. So goodbye to the risks of leakage, corrosion and freezing, and to awkward ‘filling’ or ‘bleeding’. Ticking, gurgling pipes and radiators no longer disturb the piece and quiet in the home. Moreover, there are fewer corners and holes where dust can settle and it saves on future, often difficult, paintwork.

Almost Invisible
Clumsy radiators, ugly pipes, dust traps, we all know the drawbacks of central heating. No wonder that ever more residents opt for the stylish simplicity of air heating. The inconspicuous design grates in wall or floor are all you see. An intelligent system that remains highly discreet in your carefully composed interior. Radiators do not bother you when laying out your home. You can lay out the space as you wish and your furniture gets all the attention it deserves. Air heating guarantees invisible, silent and pleasant warmth for many years. Everywhere in your home, in all seasons. Heating to pamper you.

Grates for Heating at its Smartest
Input grates always used to be placed at the exterior walls, just like the radiators of a central heating installation. That is no longer necessary. With the excellent air tightness and thermal quality of modern houses, it is often better to supply the heat through the core or interior walls of the dwelling through inconspicuous grates. In some situations the grates can be placed in the ceiling. Various types of grates are available for blowing in and extracting the warm air. Standard grates are made of high-quality materials and can be offered in any RAL colour (at a surcharge).

In addition, two beautiful aluminium grates are available. These have a satin gloss, colourless finish.

A Modern System for Modern Dwellings
Inconspicuous grates and a simple ducts system suffice to fully benefit from the advantages of air heating, throughout the dwelling. The intelligent control system heats the spaces almost unnoticeably. It operates trouble-free and requires the least possible maintenance, arranged by your Brink dealer under a maintenance contract.

You don’t see it, but you do feel it

“The grates are all you see.”

No radiators
But appearances also count! With air heating your home is free of annoying obstacles such as radiators and convectors. You have maximum interior design freedom.

Grates
The only visible elements of an air treatment system are the input and return grates.

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“The grates are all you see.”
“They really thought of all the details. You benefit from it all the time.”

Comfortably healthy
It is not without reason that many people have a lot of attention for their own and their family’s health. After all, there is always dust in a home. This is caused by activities of man and animal. The dust settles at places that are difficult to clean and, consequently, has a negative influence on the interior air quality. Dust is in particular a nuisance for people with bronchial disorders. The Brink air heating system is equipped with a filter that removes 95% of the dust from the air. A clean and healthy feeling!

Pollen filter
For people with a sensitive respiratory system, filtering even the smallest dust particles literally means a breath of relief. For that purpose and electronic pollen filter is available. It removes nearly all pollutants (99%) from the air, including pollen, fungi, tobacco smoke, germs and bacteria.

Electrostatic principle
The electronic pollen filter for the air heater works on the basis of the electrostatic principle. An aluminium cassette contains a glass fibre cloth on which a voltage is introduced. Because the cloth is charged, it changes into a ‘fine filter’ and it attracts even microscopic dust particles. The power consumption of the electronic air filter is very low at 2 Watt and it has a safe 24 Volt power supply.

Constant filtering: it clears the air!

Filtering
The standard filter removes 95% and the optional pollen filter removes even 99% of the dust particles from the air; ideal for people with sensitive respiratory organs. The filter is easy to clean.

Air contains dust. A natural fact. But Brink’s smart, standard filter system removes no less than 95% of the dust from the air. Not for a moment, but continuously. Of course that means a major contribution to your living comfort and health. And, why do things the hard way, the filter is readily accessible from the front.
When the temperature in a home is mainly determined by clean air and a pleasant temperature.

Certainly in summer that tends to cause problems. Exactly then the temperature in a home is mainly determined by the outdoor temperature and solar radiation. Factors that can easily lead to unpleasant heat. Brink air heating in combination with top cooling is the comfortable solution to this problem. After all, if we have air-conditioning at work and in our car, why not in our home? While that is where we spend most of the day!

“Benefit from your air heating system also in summer.”

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When you combine air heating with cooling, your house will receive fresh and cool air during hot summer days, also in daytime. Brink air heating systems can quickly and easily be complemented with cooling. A complete set with cooling block, condensing unit and assembly kit is available. An additional advantage is that the cooling installation control system is fully integrated in the appliance. With this system you can highly comfortably keep your head cool in summer.

FREE COOLING: AN IDEAL ADDITION TO AIR HEATING
Free cooling can make the indoor climate more comfortable during the night. Free cooling is an extension to the air heating system that is used to flush the dwelling with fresh outside air during the summer evening and night. The heat of the day is carried off effectively this way. The trick is that you use the cool evening air free of charge. Installing free cooling will only cost a modest amount, but at the same time it guarantees you excellent comfort.

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**SOPHISTICATED EXTENSIONS**
Brink is responsive to your individual wishes. May we make a suggestion? For instance a combination of comfortable cooling or energy-saving heat recovery from ventilation air. Or installing an electronic pollen filter that filters even microscopic particles to improve the indoor environment still further. Brink Climate Systems are the basis for a wide variety of extension options.

**ECOLOGICALLY SOUND COOLING**
The system uses the ecologically sound coolant R407C. Moreover, Brink complies with the provisions laid down by STEK (Association for the Recognition of Refrigeration Engineering Firms).

**TECHNICAL SPECIFICATIONS**

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<tr>
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<th>Allure B-16 HR(D)</th>
<th>Allure B-25 HR(D)</th>
<th>Allure B-40 HR(D)</th>
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<tr>
<td><strong>Technical specifications condensing unit</strong></td>
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<td>Setting air quantity cooling [m³/h]</td>
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*Capacity applies at indoor temperature 22 to 24 °C, relative humidity approx. 55%, outdoor air temperature min. 30 °C, high pressure approx. 14 to 16 bar.*
How that works? Highly innovatively: the Renovent HR extracts the air from the toilet, bathroom and kitchen. The Renovent HR introduces exactly the same quantity of fresh outdoor air. The heating system distributes it over all rooms. In just as much as out. This permanent, balanced ventilation leads to an optimum result. The ventilation rate can easily be increased or decreased according to your personal wishes by a manually operated 3-way switch in the kitchen and/or bathroom.

Efficiency 95%

The Renovent HR features a unique heat exchanger. It arranges the transfer of heat from the extracted air to the fresh input air. Its sophisticated, patented design and structure give the heat exchanger an efficiency of no less than 95%! That saves you some 300 to 400 m³ of gas annually, so your ventilation hardly costs you anything.

The strikingly energy-efficient Renovent HR

The Renovent HR is highly energy-efficient. The energy output is roughly 10 to 15 times higher than the energy consumption. So Renovent not only ensures an optimum indoor environment, but it also contributes to the global environment.

Air heating: a sensible choice

At Brink Climate Systems, corporate social responsibility is the driving force behind all innovation. The environment is very important in this connection. Brink Climate Systems succeeds in combining this established fact with attractive personal advantage for your costs savings. Air heating, combined with heat recovery, can mean substantial heating costs savings for you.

The high efficiency guarantees you more heat from every cubic metre of gas. You will feel it in your home as well as in your wallet. But the environment benefits from it too. For if you get more power from every cubic metre of natural gas, you emit less flue gases into the atmosphere and air heating uses our fossil fuels more economically. You want the details? The emission of NOₓ (the cause of acid rain) is only one third of the Dutch standard. This economical heating system also reduces the CO₂ emission to an exceptionally low level. The conclusion is promising: today Brink air heaters already comply with the stricter standards of the future. So throughout the year you can rest assured that you have a system for heating and ventilating that cares for your wallet and the environment.

Renovent HR Medium and Large

Renovent HR yields 10 to 15 times more energy than it uses. The heat exchanger transfers 95% of the heat, so it is no longer necessary to heat the ventilation air. The amount of recovered heat is roughly equivalent with 300 to 400 m³ of natural gas annually.

“So you are inviting a friend of the environment into your home.
That’s a very good feeling.”

Renovent HR puts energy into the environment

The Brink system complies with the strictest environment regulations. The nitrogen oxide emission / NOₓ is well below the European standard. The CO₂ emission is extremely low as well.
With its sophisticated electronics, the system becomes a second skin to you. It thinks and feels along with you.

Air heating is not only an efficient system, it is fast too. Every room in your home is at the temperature you want in no time. That makes protracted pre-heating to reach the preset temperature of the past! A warm and comfy home in the least of time. An advantage that won’t leave you cold.

ENERGY-EFFICIENT AND ADVANCED

A heating system must be controlled of course. By feel, but also with technology. And preferably as energy-efficient as possible. This balance reflects in the intelligent Brink Allure clock thermostat, a technically highly advanced instrument, controlled at the flick of a wrist. The combination with the control computer results in a highly constant air and room temperature. Its performance is astounding: the modulating clock thermostat constantly compares the preset temperature to the actual temperature. The result is relayed to the control computer. On the basis of the measured deviations and the speed at which those deviations occur, the computer calculates the setting of the continuously adjustable burner. In addition, the computer electronically informs the fan what the optimum rpm is. If your home is cold, your favourite temperature is reached quickly, in any room. The clock thermostat lets you instruct the air heating system to do exactly what you want: ensuring optimum comfort.

OTHER ENERGY CARRIERS

The combination of many years of experience and extensive knowledge has enabled Brink Climate Systems to develop a variety of air heaters such as the Elan. The Elan is ideal for situations where hot water is the energy carrier. For instance in dwellings with district heating. All comfort advantages of the Allure are cleverly used in this indirectly fired air heater as well.

Air heating is a byword for very high efficiency. We will be happy to prove that to you. The Brink Allure brings you a heating system with an efficiency of no less than 98% (109% at the lowest value). That is extremely high. But the spectacular positive fact is that even under the most unfavourable conditions Brink Allure always has a high efficiency rating. So four seasons a year this system is very careful with your money and our environment, year after year.

A warm and comfy home in the least of time

The unique cooperation between the electronic clock thermostat and the air heater control unit ensures a constant room temperature which results in a perfect indoor climate.

Efficiency Allure HR

Very high efficiency leads to low costs

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Always made-to-measure support for your project.

Brink Climate Systems has its own consultancy department with ample experience in designing air heating and ventilation systems. Our people know everything there is to know about installation possibilities and building regulations. We can compile a recommendation for you, geared to a specific dwelling design. Quality is the starting point here. We can also arrange the design and the specifications for you.

Experienced consultants and designers are ready to serve you

Specific product leaflets are available for all appliances referred to here.

Company Information
Brink Climate Systems was the first manufacturer in the Netherlands to develop and market air heating systems. The advanced Brink techniques are even considered revolutionary in the countries where air heating was invented: the United States and Canada. Brink designs and manufactures the equipment and parts in-house. From the sheet steel casing to the operational air heaters. Brink air heating and ventilation systems are available from stock in many capacities and versions, including the duct systems, if required. Moreover, all components are prefabricated and perfectly geared for each other, making assembly effortless. You will find the applications of Brink Climate Systems everywhere: in dwellings, office buildings, health centres, sports centres, schools, workshops, showrooms and production halls.

The advantages of air heating as a complete climate system at a glance.

- One integrated installation for heating as well as ventilation.
- No awkward pipes and radiators, so a gain in space and more layout freedom.
- Optimum indoor environment with continuous ventilation and air filtering.
- No water, the air is heated directly.
- Very high efficiency leads to low costs.
- Simply extended with free cooling or cooling.
- Short heating-up period leads to high thermal comfort.
- Constant air circulation evenly distributes the heat of other energy sources such as solar radiation, fireplace or wood stove, throughout the dwelling.
- A substantial added value for your home, also when you sell it.
- Preservation of the structure of your home through controlled and continuous ventilation.
- Combines excellently with heat recovery ventilation.