

ENGINEERING
TOMORROW

Danfoss

Ventilation with Heat Recovery

Avoid mold and energy waste
and **let your home breathe**

Up to

95%

heat reused. Danfoss Heat
Recovery Ventilation
reuses most of the heat
when changing used air.



THERE ARE SO MANY GOOD REASONS

– to add the value of ventilation to your home

What does windows condensation and black mold reveal about the air quality inside your home?

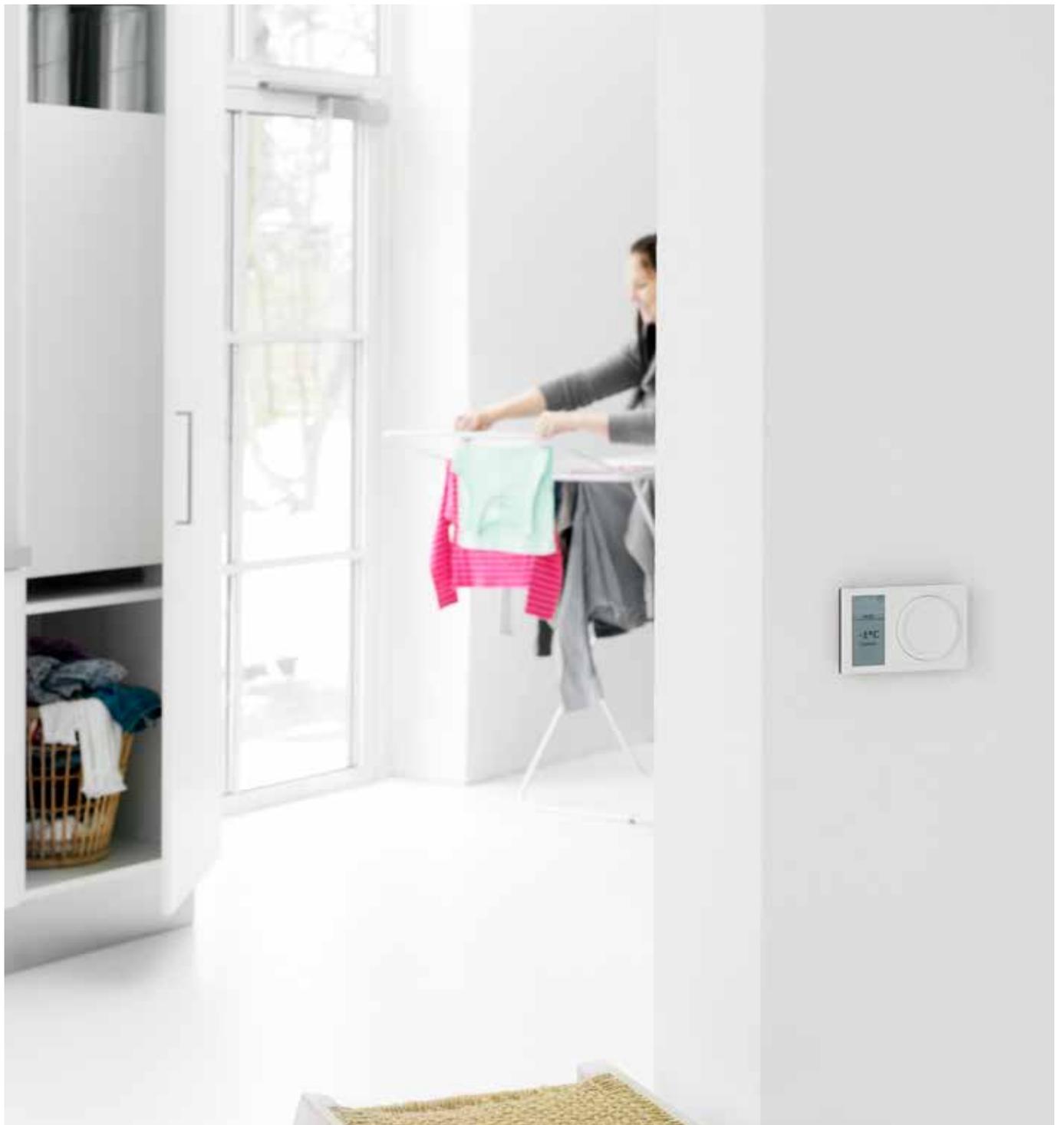
We rarely pause to think about the condition of our indoor climate, but much can be gained from adding the value of ventilation in our well-insulated homes.

Our home sets the scene for play, relaxation, social activities and individual recreation. And no matter what goes on inside your home, it should always allow you to breathe easy – all day and all year.

A balanced airflow ensures optimum comfort and provides the best condition for a good health – not only for allergy sufferers and children, but for all residents of the house. And with a cost and energy efficient solution from Danfoss, there truly are so many good reasons to add the value of ventilation – and let your home breathe.



**Add the value of ventilation
and let your home breathe**



**Imagine a home with no draft, no pollen, noise or slamming doors
due to open windows, and with the best possible humidity level
– even when drying laundry inside.**

THE IMPORTANCE OF FRESH AIR

Physical and mental well-being at home begins with a healthy indoor climate. Many of our everyday activities directly affect the air in our homes. Cooking, showering, doing laundry and even boiling tea water and lighting candles have an impact on our indoor climate. And this is why Danfoss Air was developed.

Danfoss Air is the system of choice, not only if you are planning a new build, but also for installing in existing dwellings. The Air system can be fully customized to match your individual home, and as demand based ventilation the system automatically adjusts the ventilation without you having to worry about settings and complicated user manuals.

It literally adapts to your family's lifestyle. On warm days and cool nights, after parties and during holidays, Danfoss Air intelligently offers energy-efficient and excellent indoor climate with minimum environmental impact – and lets you feel the importance of fresh air.

PROBLEM: MOLD

Mold is a genuine threat to the well-being of many home owners today and trying to get rid of the mold is a loathsome job with little or no effect.

The problem with mold occurs because modern houses are extremely well-insulated in order to conserve energy and reduce impact on the environment. This is largely a good thing, but it also minimizes the natural air exchange between the inside air and the outside air.

Mold thrives under these conditions, and mold growth in a home can be potentially harmful to the residents with allergy sufferers and small children being particularly exposed.



SOLUTION: VENTILATION

A well-designed ventilation system is energy efficient, quiet, and aesthetically pleasing. But just as important, it takes care of humidity problems and the threat from mold growth. The Danfoss Air system is designed to have a minimum of impact on your interior both during and after installation and can be installed accordingly to divide costs of purchase. The benefits are many, but if we have to choose the three most important ones, they would be:

1. Fresh air and heat recovery with extremely low power consumption

No need to worry about excessive energy costs with the Danfoss Air system thanks to its low power consumption.

2. Discreet and fast installation

Your installer loves the Danfoss Air system because it is so easy to install. Ask him yourself.

3. Healthy air with the windows shut

Danfoss Air prevents the growth of mold and other harmful substances by ensuring fresh air 24/7 – and you don't even have to open the windows.

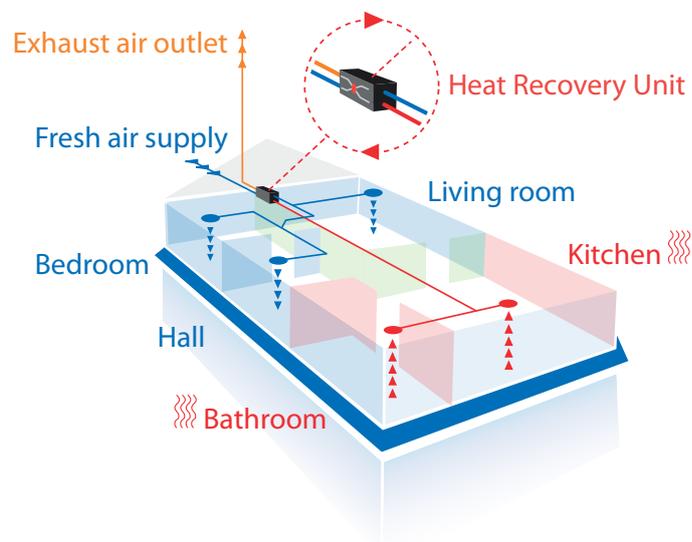


THE WIN: REUSE THE HEAT NOT THE AIR

Think of heat recovery as holding a warm cup of tea in your hands. Your hands will heat up without ever touching the source of the heat; the water. Danfoss Air system uses the heat from e.g. kitchens and bathrooms to heat supply air to a comfortable temperature. This provides both air renewal and a healthy indoor climate.

The heart of the system is the heat exchange unit, which comprises two separate, isolated air circuits. One is connected to the fresh-air supply and the other is connected to the exhaust system, so the air is never mixed.

The Air system will typically completely replace the air in a house over a two to three-hour period. You will need to open all windows and doors over an equal period of time to get the same result. But obviously this causes e.g. dust and noise to enter the house while heat and comfort disappear out of the building.





Automatic

adjusting to your lifestyle. The Danfoss Air system learns and adjusts itself with the help of a thermostat and a moisture sensor, making your home a truly clever home.

COMPLETE AIR CONTROL



Boost mode

It's the morning after a party and the air is heavy from hours of fun. Activate Boost mode and a clean, deep breath is only minutes away. Or even smarter: pre set the system before the guests arrive and wake up to a healthy indoor climate.



Summer Bypass

If it's warm outside, why not enjoy the clean fresh air as it is? The supply air enters the house unaltered at outdoor temperature, and can be combined with Boost mode for instant fresh air.



Danfoss Night Cooling

Use the night air to gently cool down the house. The system checks the outdoor temperature twice a day, and when average daytime temperature reaches +20°C, the Night Cooling function is activated. A truly soothing and energy saving feature.

ARE THERE REALLY NO RUNNING COSTS?

Ventilation is an investment in your house and foremost your family's well-being. But economy is and always will be an important factor. Through years of experience and thousand of installations, the case is clear. Running costs are way lower than the money you will save on your heating bill. That's a fact.

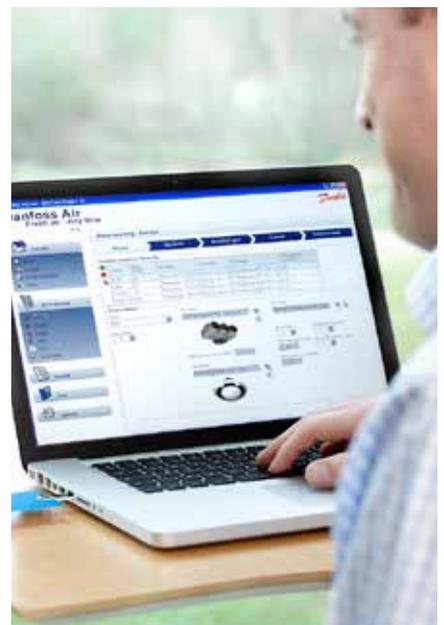
And if you worry about expenses for maintenance, here is the complete overview: Once a year you will have to change the filter – it takes a minute and costs less.

WHEN AND WHERE YOU NEED IT

The Danfoss Air system offers unrivalled ease of use in one elegant control device, and the wireless control unit can be placed almost anywhere for easy access.

The level of control is completely in your hands. E.g. use the "Demand mode" where the system controls the indoor humidity around the clock. Set the system with one click, and you are off for the weekend leaving the system in complete and intelligent control. The unit features a full text display with no shortened or "cut-up" words, so you are sure to get things right.

If you have a large family, you know the importance of planning and control. If you want to be in complete control of your ventilation system, simply connect via Ethernet and use the intuitive Danfoss Air Control software directly from your PC.



Following the best of Scandinavian design traditions, aesthetics and efficiency go hand in hand. The elegant design ensures that the Air Unit as well as valves and control will fit seamlessly into any environment.

It is our philosophy that the range of technical refinements and possibilities don't need to be visible. They simply need to be present. With the Danfoss Air system they are, and here beauty is not only skin deep.

Improve your indoor climate today. Visit air.danfoss.com or talk to your local installer about the best way to let your home breathe with Danfoss Air.

THE VALUE OF AIR



1 click

to learn more.

Visit air.danfoss.com to learn more and see the full range of Danfoss Air products.

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