



Fresh-r

Smart indoor air
care

Fresh-r has a
healthy impact in
the flat.

Just like me.



Stops odour, mould and draughts

Huge improvement in interior climate
and saves considerable energy.

Lowest investment, use and
maintenance costs for apartments.

Remote monitoring.

Installation in a single day during
renovation or scheduled maintenance.



World champion in
ventilation



Fresh-r - the window that breathes



Fresh-r shows what it does



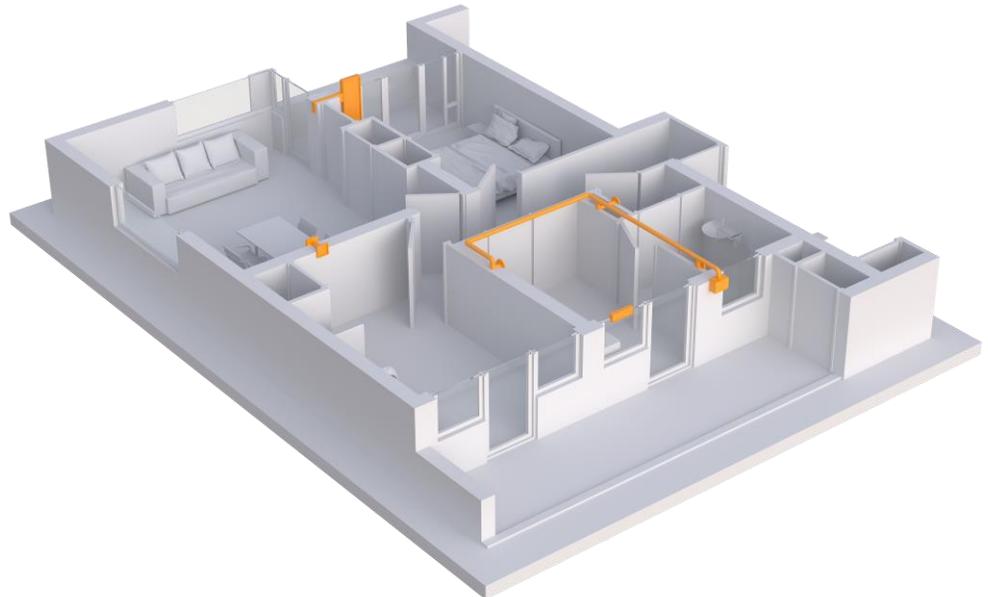
Fresh-r
Smart indoor air care

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Follow-me ventilation for each residential zone The best solution for apartments

When you're building or renovating apartments, you think of the resident first. She wants security, convenience and comfort - without increased costs. The decisions you make today have an impact for decades. In the meantime, you're expected to stay within budget while remaining legally compliant.

Tenant's preferences are changing. As is the law. Residents are paying much closer attention to the health aspects of their homes; and the government is setting ever more stringent requirements on climate and CO₂-emissions. Widely varying innovations are the result. One of these is the Fresh-r ventilation system, designed especially for apartments and small homes.



Winner of the Mitros 100%GZNDwonen Challenge and the Passive House Award

Most cost-effective solution for apartments - in terms of both purchase and maintenance.

Fresh-r ventilates only where and when it's needed. Using the most appropriate technology. Fresh-r combines a demand-controlled ventilation box with a decentralised heat recovery unit and room-to-room fans.

A Fresh-r ventilates between 20-120 m³ per hour. That's why it's so well-suited to apartments. Due to its powerful copper heat exchanger, Fresh-r is so compact that the device fits into the outer wall, requiring no piping. And Fresh-r saves more than just space. Since 80-90% of the heat is recovered, heat demand is much lower, even in freezing temperatures. This allows for the use of smaller heat pumps or less infrared heating. This saves considerably on the initial investment and on monthly fuel costs. With far fewer supply and return pipes to install, installation can be done in a single day, either during the current resident's stay or between tenants. Maintenance is also minimal and can be done by the tenants themselves.

The zone's function determines which type of ventilation is most appropriate. This saves considerable money with simple adaptations. Furthermore, it's a "no-regret" measure, because the decentralised heat recovery unit also continues to function under more stringent climate requirements and can be taken along in subsequent renovations.

Mould doesn't stand a chance.

With its humidity sensor, Fresh-r ensures that interior air is neither too dry nor too moist. Air that's too dry causes dry throats, eyes and skin and increases the risk of colds and flu. But air that's too moist can be stale and cause moulds. Cold air retains less moisture than warm air. Condensation occurs as the temperature goes below the dew point. This results in mould. The software that regulates Fresh-r ventilation takes the dew point temperature into account, keeping mould away.

Numbers don't lie

Fresh-r measures the levels of oxygen, humidity and (optionally) particulates in interior air, so it knows when and where ventilation is required. This data is shown clearly in a web-app. So tenants and managers can always see the status of an apartment's interior climate and how the ventilation is working. Also remotely.