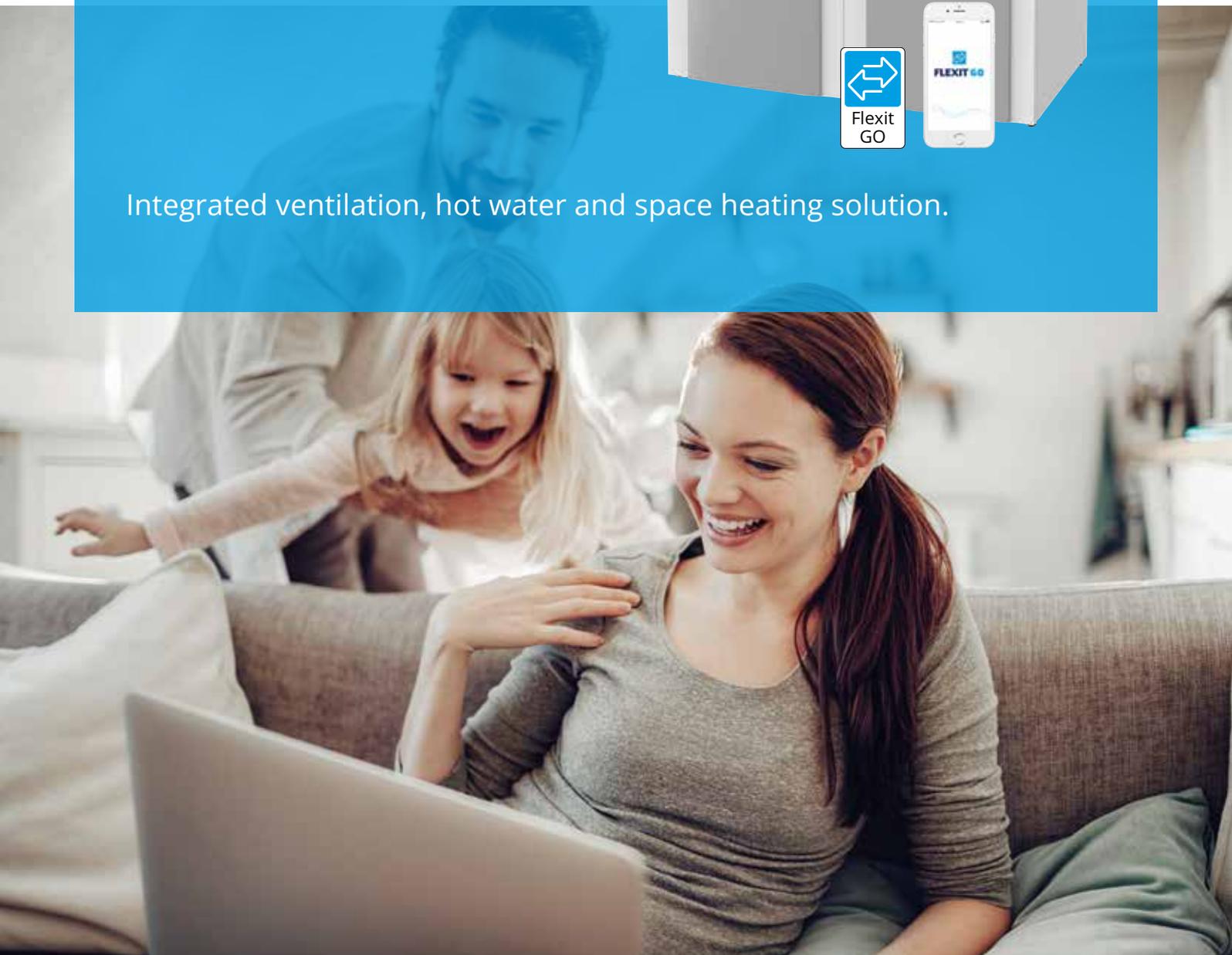


EcoNordic

Indoor Climate Central



Integrated ventilation, hot water and space heating solution.



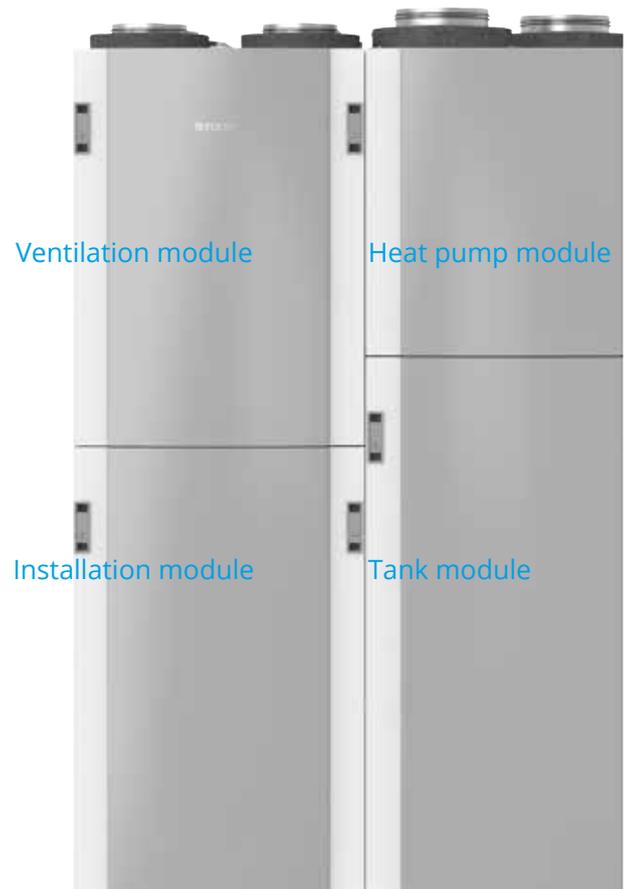
Designed for the future

A modern house, built today, requires much less energy for heating than a house built in the 70s. The homes of the future will consume even less energy for heating. At the same time, the consumption of hot water for showers and other purposes in the home is increasing. Flexit is synonymous with 'clean, fresh air', and good ventilation is becoming an increasingly important factor in today's tightly built homes. Our new EcoNordic Indoor Climate Central has integrated ventilation, heating and hot water. It ensures the best indoor climate, heats the home and supplies abundant hot water in a very energy-efficient manner. This is also a contribution by us to the transition to a green economy with less environmental impact and lower emissions.

How the EcoNordic Indoor Climate Central works

The ventilation module recovers heat from the used air in the house, which is then used to heat the new, clean, fresh air entering the home.

The rest of the heat in the used air is then sent to the unique new heat pump module, in which more heat is recovered via the efficient, ecofriendly refrigerant CO₂. The heated water is sent to the tank module, which distributes hot water to taps, showers and waterbased heating. The Indoor Climate Central is controlled with Flexit GO. EcoNordic comes in two versions, with and without space heating.



Valuable performance

Clean, fresh air—all year round, even when it is cold

The ventilation module is fitted with a rotating heat recovery unit. Fresh, filtered air is supplied to the home, and contaminated, moist air is removed from the home. The product has been developed and tested especially for Nordic cold climate.

Energy-efficient hot water production

The integrated heat pump ensures very energy-efficient production of hot water in abundant quantities. The speed controlled compressor adapts the heating output to current demand which helps optimize operation. As many as 2 out of 3 showers are free.

Low energy consumption

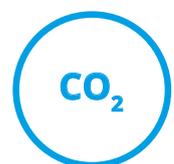
High heat recovery in the ventilation module, and the fact that the heat pump utilises residual heat from the exhaust air, make the Indoor Climate Central very energy-efficient. Flexit EcoNordic has the highest efficiency on the market, over 90%.

Efficient, ecofriendly refrigerant

The heat pump uses the ecofriendly, efficient refrigerant CO₂. This refrigerant is future-friendly, free of environmental taxes, always available and easy to manage. CO₂ as a refrigerant is very efficient at rapidly heating hot water to a high temperature, which means that the hot water tank need not take up more space than is absolutely necessary.



2 OUT OF 3
SHOWERS
FOR FREE



Smart control with Flexit GO

The entire system for the Indoor Climate Central is controlled and monitored with an app. Control is simple and clear. There are a number of options for automating operations and adapting them to your needs, for example by using calendar functions in the app and connecting humidity sensors and CO₂ sensors. You can also get information on changing filters and other necessary inspections. Service staff can be given access to the product online and provide help if required



Areas of application and product versions

The EcoNordic Indoor Climate Central is especially suited to homes from 120 to 200 m² in size. Flexit GO makes it easy to control the entire system via an app.

The product comes in two versions:

EcoNordic W4: This model has integrated ventilation and hot water production. This product is particularly suitable for new homes which have a separate heating solution. It is also suitable for the replacement of old ventilation units and water heaters.

EcoNordic WH4: This model has integrated ventilation, hot water production and space heating function. This product is a good match for new homes and is an optimum solution for the entire home's demand for ventilation, heating and hot water.



The illustration shows EcoNordic WH4 with integrated ventilation, hot water and heating installed in a plant room. The Indoor Climate Central is also available in a version without space heating (EcoNordic W4). EcoNordic is controlled with Flexit GO

Technical data

Indoor Climate Central

60 cm standard width (module)
Modular for easier transportation and installation
Fully integrated control system
2 product versions

Ventilation module

Rotary heat exchanger for Nordic conditions
Balanced ventilation up to 103 l/s (max). Operating point 66 l/s, corresponds to max. 200 m² (ventilated area)
Total efficiency over 90%
SFP <1.5 at 66 l/s and 100 Pa
ePM1 55% (F7) filter in/out

Heat pump module

Refrigerant CO₂
Speed controlled compressor, up to 4 kW
High power 4kW, as much as 3 kW down to -25°C
65°C water temperature with just compressor
Patented defrosting function

Tank module

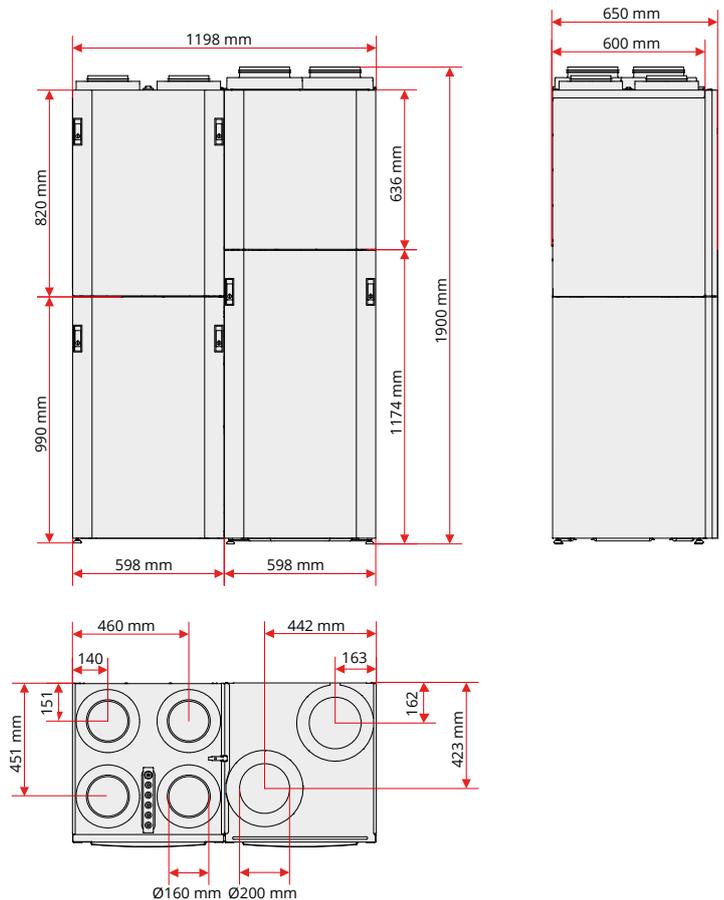
Tank volume 200 litres
Stainless steel tank
Tapping pattern XL
Immersion heater, 1/3 kW
Service-friendly

Installation module

Extra space for installations

For example:

- Heating distribution manifold
- Expansion vessel
- Reducing valve
- Water connections in/out



Flexit specialises in home ventilation and delivers clean, fresh air solutions for a healthy indoor environment. Flexit is a market leader in home ventilation and has been supplying ventilation solutions to norwegian homes since 1974. Flexit is a Norwegian company and all products are developed specially for the Nordic climate. Products are tested and documented in accordance with the latest standards.

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 **FLEXIT**
BETTER INDOOR CLIMATE