

OXYGEN



Next generation ventilation units
easy to install, easy to use

JUST LIKE BREATHING


MADE IN LITHUANIA

oxygenvent.com

Simple, innovative solutions

Who are we and what do we want?

What are our guidelines?

Only well-conceived solutions

We are OXYGEN – developers and manufacturers of advanced Lithuanian ventilation systems. Our mission is to ensure a healthy microclimate in every home. We aim to break market stereotypes and offer a superior alternative – smarter, more efficient and more compact products.

Inspired by the European Commission's ambitious strategy for sustainable economic growth, the European Green Deal, together with the KTU University team, we have developed a compact, easy-to-install and easy-to-use heat recovery unit, controlled by a unique energy-saving algorithm.

We offer well-thought-out solutions based on modern technologies and products that are easy to install and user-friendly. With OXYGEN, it's as easy as breathing.



Healthy home microclimate

Enthalpy

Forget dry mouths, dry eyes and skin, and hundreds of euros spent on moisturizers. Enthalpy is cutting-edge technology that preserves the humidity in your home, and therefore helps maintain your health.

Heat and cool recovery

A heat recovery unit is like a fridge that can never be switched off. It is useful in both winter and summer because it efficiently keeps your home warm or cool, saving you money.

Fresh air and hygiene

Ventilation ensures that air has the right amount of oxygen, eliminating harmful CO₂. The filters trap dust, insects and even germs. Rest assured, thanks to the hygienic airflow technology, unwanted kitchen smells are eliminated.



Tailored to Lithuanian and Nordic climates

Non-freezing

Your smart heat recovery unit will never freeze. We guarantee uninterrupted ventilation for your home.

Low costs

Thanks to 5 internal sensors and a unique energy-saving algorithm, you'll conserve heat while ventilating your home, using the minimum amount of electricity.

High energy efficiency

OXYGEN heat recovery ventilators with advanced plate counterflow heat exchangers are suitable for even the highest energy class A++.

Save up to 93% energy.



Easy to install

Everything is included

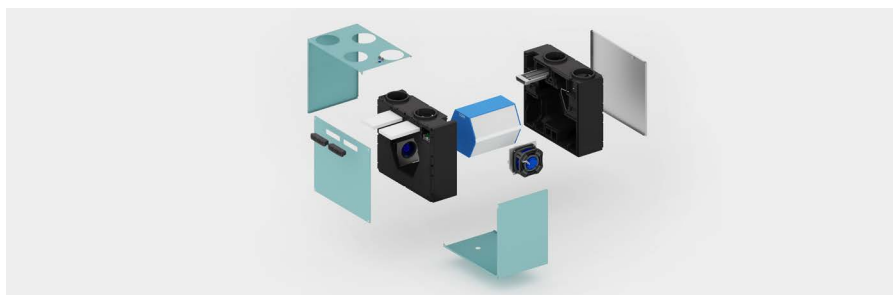
The electric heater, control automation and other necessary components are located inside the unit, eliminating the time and cost of installing external ventilation accessories and reducing the space required to install the heat recovery unit.

Lightweight

The compact and ultra-lightweight OXYGEN heat recovery unit housing is made of EPP material with excellent thermal and acoustic insulation properties. Installing OXYGEN products alone is fast and easy.

X-Air Academy

Increase your knowledge and gain practical experience at the X-Air Academy training courses, where we share best practices, present the latest news from the ventilation world and advise on all ventilation issues.



Comfort features

Bathroom mode

Press the auxiliary switch together with the light switch to activate the increased ventilation mode and the heat recovery unit will remove steam and unwanted odors.

Hood mode

Activate the enhanced ventilation mode while cooking. When coupled to the extractor fan, the heat recovery unit will extract vapors and unwanted odors.

Summer ventilation

Enjoy fresh air in summer by opening your windows, and entrust the heat recovery unit with the ventilation of bathrooms, kitchens and other enclosed spaces.



Easy to use

Smart control

Enjoy all the smart features by controlling the heat recovery unit via the app or the color LCD touchscreen control panel.

Easy maintenance

Easily replace the filters by opening the filter covers. OXYGEN heat recovery units no longer require any servicing.

An invisible helper

The heat recovery unit will adapt to your lifestyle – a weekly ventilation program will give you extra comfort every day.



X-AIR C180

Smart Ceiling Mounted Heat Recovery Unit

OXYGEN

Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design – only 27.2 cm

93 % heat recovery

Suitable up to 80 m²

Easy to replace filters

Easy to install

Non-freezing

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by
recair



Compact design



Easy to install



Smart management



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



Intelligence that helps
you breathe easier

Forget complicated buttons – simply control
your OXYGEN heat recovery unit with the
smartphone app or a modern, color touchscreen
LCD control panel.

1 unit = 1 tree



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purchased. We take care of the trees so they take care of fresh air for us.

MADE IN LITHUANIA

X-AIR C180

Technical specification

OXYGEN

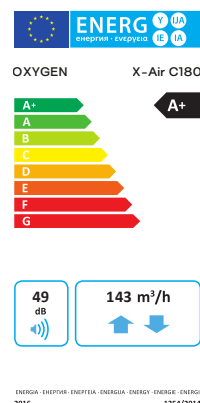
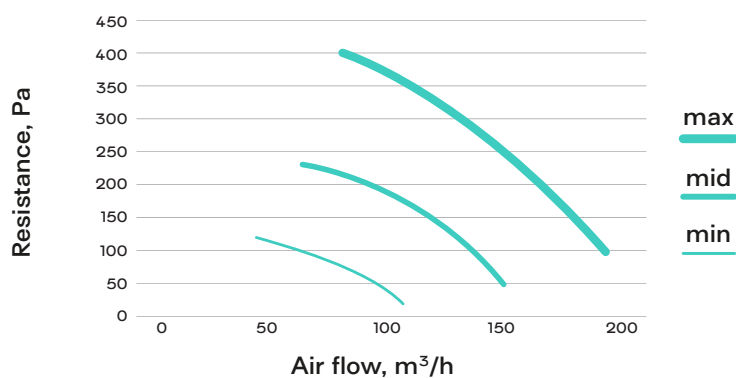
Specific energy consumption (SEC), SEC class

Cold climate	kWh/m2.a	-89.2
Average climate	kWh/m2.a	-43.7
Warm climate	kWh/m2.a	-17.7
Declared typology	Bi-directional, residential ventilation	
Type of drive installed or intended to be	Variable speed drive	
Type of heat recovery system	Recuperative	
Thermal efficiency of heat recovery	%	93
Maximum flow rate	m³/h	143
Electric power input of the fan drive, including	W	77
Sound power level (LWA)	dB	49
Reference flow rate	m³/s	0.028
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m³/h)	0.29
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.4
External	%	2.5
The annual electricity consumption (AEC)	kWh/100m².a	198
The annual heating saved (AHS)		
Cold climate	kWh/100m².a	9303
Average climate	kWh/100m².a	4756
Warm climate	kWh/100m².a	2150
Integrated adaptive pre-heater	W	800
Power supply	230V, 50Hz, 5A	
Dimensions	mm	1015 x 539 x 273
Weight	kg	24
Color	Parnidis Dune	

Compliance and standards

2009/125/EB: ES 1253/2014, ES 1254/2014, ES 2017/1369, EN 13141-7:2010; **2010/30/ES:** ES 1254/2014; **2011/65/ES:** EN 50581(2012); **2014/35/ES:** EN 60335-1:2012, EN 60335-1:2012/A11:2014.

Performance curves



OXYGEN group, JSC

Birželio 23-osios g. 29, Kaunas 50201, Lithuania

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X-AIR C180E

Smart Ceiling Mounted Heat Recovery Unit **With Enthalpy**

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Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design – only 27.2 cm

87.9 % heat recovery

Suitable up to 80 m²

Easy to replace filters

Moisture recovery

Non-freezing

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

core



Compact design



Easy to install



Smart management



Retains humidity



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



Intelligence that helps you breathe easier

Forget complicated buttons – simply control your OXYGEN heat recovery unit with the smartphone app or a modern, color touchscreen LCD control panel.

1 unit = 1 tree



We plant a tree in the OXYGEN forest for every heat recovery unit purchased. We take care of the trees so they take care of fresh air for us.

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X-AIR C180E

OXYGEN

Technical specification

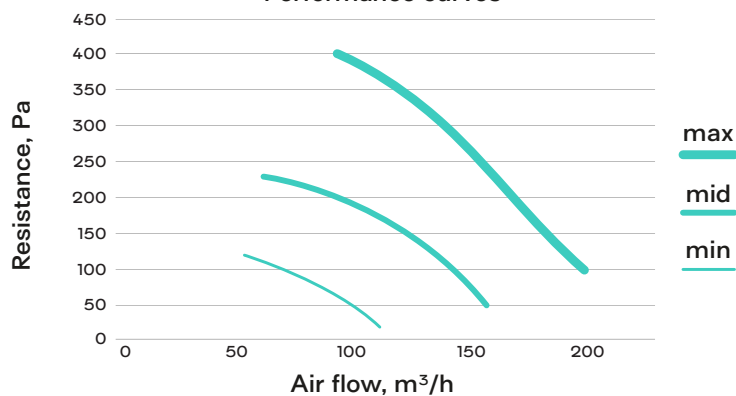
Specific energy consumption (SEC), SEC class

Cold climate	kWh/m ² .a	-87.8
Average climate	kWh/m ² .a	-43.3
Warm climate	kWh/m ² .a	-17.9
Declared typology	Bi-directional, residential ventilation	
Type of drive installed or intended to be	Variable speed drive	
Type of heat recovery system	Recuperative	
Thermal efficiency of heat recovery	%	87.9
Moisture recovery efficiency	%	76
Maximum flow rate	m ³ /h	143
Electric power input of the fan drive, including	W	76
Sound power level (LWA)	dB	49
Reference flow rate	m ³ /s	0.028
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m ³ /h)	0.24
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.4
External	%	2.5
The annual electricity consumption (AEC)	kWh/100m ² .a	172
The annual heating saved (AHS)		
Cold climate	kWh/100m ² .a	9096
Average climate	kWh/100m ² .a	4650
Warm climate	kWh/100m ² .a	2103
Integrated adaptive pre-heater	W	800
Power supply	230V, 50Hz, 5A	
Dimensions	mm	1015 x 539 x 273
Weight	kg	25
Color	Labanoras Moss	

Compliance and standards

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Performance curves



X-AIR C200

Smart Ceiling Mounted Heat Recovery Unit

OXYGEN

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Compact design – only 27.2 cm

90 % heat recovery

Suitable up to 100 m²

Easy to replace filters

Easy to install

Non-freezing

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by
recair



Compact design



Easy to install



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X-AIR C200

Technical specification

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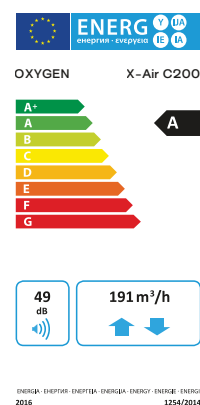
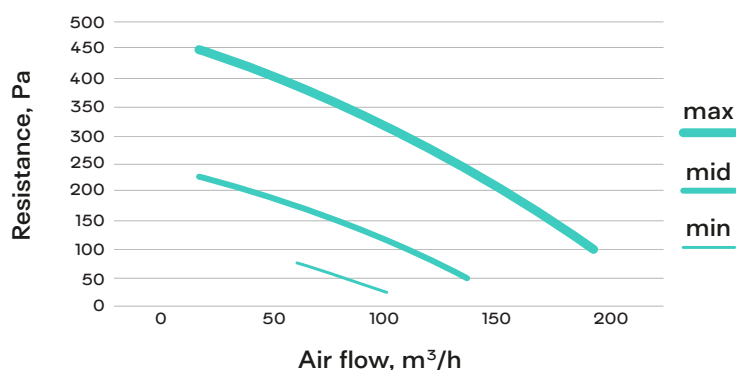
Specific energy consumption (SEC), SEC class

Cold climate	kWh/m ² .a	-87.3
Average climate	kWh/m ² .a	-42.4
Warm climate	kWh/m ² .a	-16.7
Declared typology	Bi-directional, residential ventilation	
Type of drive installed or intended to be	Variable speed drive	
Type of heat recovery system	Recuperative	
Thermal efficiency of heat recovery	%	90
Maximum flow rate	m ³ /h	200
Electric power input of the fan drive, including	W	110
Sound power level (LWA)	dB	49
Reference flow rate	m ³ /s	0.039
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m ³ /h)	0.35
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.4
External	%	2.2
The annual electricity consumption (AEC)	kWh/100m ² .a	226
The annual heating saved (AHS)		
Cold climate	kWh/100m ² .a	9182
Average climate	kWh/100m ² .a	4693
Warm climate	kWh/100m ² .a	2122
Integrated adaptive pre-heater	W	800
Power supply	230V, 50Hz, 5A	
Dimensions	mm	1015 x 539 x 273
Weight	kg	24
Color	Parnidis Dune	

Compliance and standards

2009/125/EB: ES 1253/2014, ES 1254/2014, ES 1017/1369, EN 13141-7:2010; **2010/30/ES:** ES 1254/2014; **2011/65/ES:** EN 50581(2012); **2014/35/ES:** EN 60335-1:2012, EN 60335-1:2012/A11:2014.

Performance curves



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X-AIR C200E

Smart Ceiling Mounted Heat Recovery Unit **With Enthalpy**

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Just like breathing

Next generation ventilation units easy to install, easy to use.

Compact design – only 27.2 cm

80.8 % heat recovery

Suitable up to 100 m²

Easy to replace filters

Moisture recovery

Non-freezing

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

core



Compact design



Easy to install



Smart management



Retains humidity



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



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1 unit = 1 tree



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X-AIR C200E

Technical specification

OXYGEN

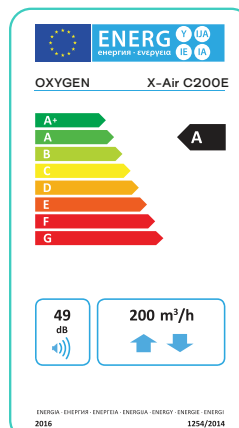
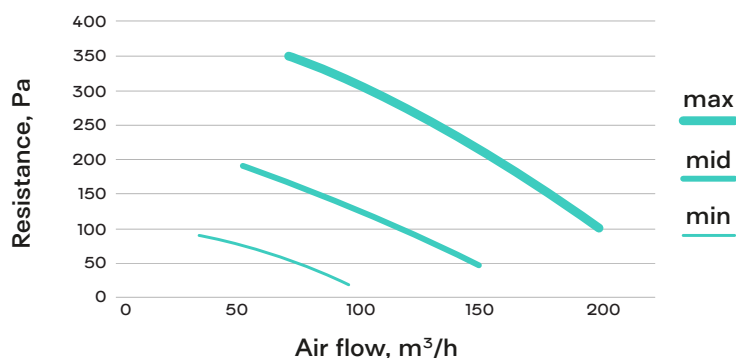
Specific energy consumption (SEC), SEC class

Cold climate	kWh/m2.a	-83.1
Average climate	kWh/m2.a	-40.0
Warm climate	kWh/m2.a	-15.4
Declared typology	Bi-directional, residential ventilation	
Type of drive installed or intended to be	Variable speed drive	
Type of heat recovery system	Recuperative	
Thermal efficiency of heat recovery	%	80.8
Moisture recovery efficiency	%	74.2
Maximum flow rate	m³/h	200
Electric power input of the fan drive, including	W	106
Sound power level (LWA)	dB	49
Reference flow rate	m³/s	0.039
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m³/h)	0.35
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.4
External	%	2.5
The annual electricity consumption (AEC)	kWh/100m².a	245
The annual heating saved (AHS)		
Cold climate	kWh/100m².a	8809
Average climate	kWh/100m².a	4503
Warm climate	kWh/100m².a	2036
Integrated adaptive pre-heater	W	800
Power supply	230V, 50Hz, 5A	
Dimensions	mm	1015 x 539 x 273
Weight	kg	25
Color	Labanoras Moss	

Compliance and standards

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Performance curves



X-AIR C250

Smart Ceiling Mounted Heat Recovery Unit

OXYGEN

Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design - only 27.2 cm

80.3 % heat recovery

Suitable up to 120 m²

Easy to replace filters

Easy to install

Non-freezing

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by
recair



Compact design



Easy to install



Smart management



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



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1 unit = 1 tree



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purchased. We take care of the trees so they take care of fresh air for us.

MADE IN LITHUANIA

X-AIR C250

Technical specification

OXYGEN

Specific energy consumption (SEC), SEC class

Cold climate	kWh/m ² .a	-84.5
Average climate	kWh/m ² .a	-41.6
Warm climate	kWh/m ² .a	-17.0

Declared typology Bi-directional, residential ventilation

Type of drive installed or intended to be Variable speed drive

Type of heat recovery system Recuperative

Thermal efficiency of heat recovery % 80.3

Maximum flow rate m³/h 243

Electric power input of the fan drive, including W 106

Sound power level (LWA) dB 49

Reference flow rate m³/s 0.047

Reference pressure difference Pa 50

Specific power input (SPI) W/(m³/h) 0.25

Control factor 0.65

Control typology Local demand control

Declared maximum leakage rate:

Internal	%	2.2
External	%	1.2

The annual electricity consumption (AEC) kWh/m².a 1.3

The annual heating saved (AHS)

Cold climate	kWh/100m ² .a	8790
Average climate	kWh/100m ² .a	4490
Warm climate	kWh/100m ² .a	2030

Integrated adaptive pre-heater W 800

Power supply 230V, 50Hz, 5A

Dimensions mm 1015 x 539 x 273

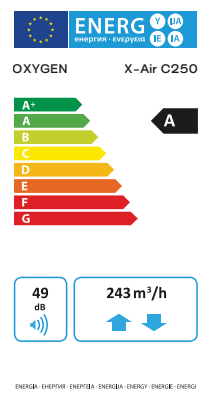
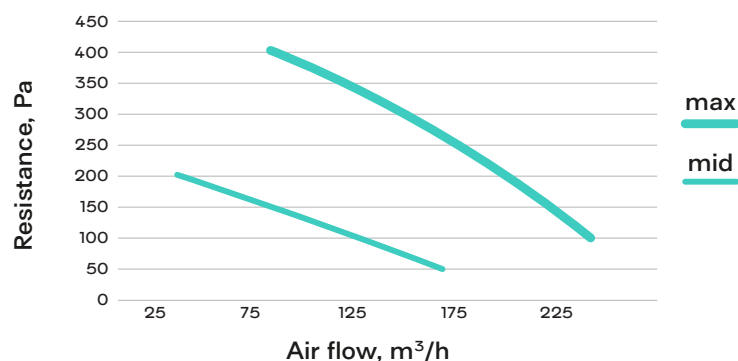
Weight kg 24

Color Parnidis Dune

Compliance and standards

2009/125/EB: ES 1253/2014, ES 1254/2014, ES 1717/1369, EN 13141-7:2010; **2010/30/ES:** ES 1254/2014; **2011/65/ES:** EN 50581(2012); **2014/35/ES:** EN 60335-1:2012, EN 60335-1:2012/A11:2014.

Performance curves



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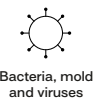
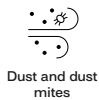
Heat recovery unit = health

A ventilation unit is an investment in your health. By having a smart ventilation system at home, you can create healthier living conditions. Why is clean air so important for the human body?

Heat recovery unit can cure diseases

Poor sleep, fatigue or inability to concentrate –these problems are often caused by poor indoor air quality. Ensuring that fresh air is constantly circulating in your home is a big step towards a healthy home microclimate.

Ventilation unit protect against:

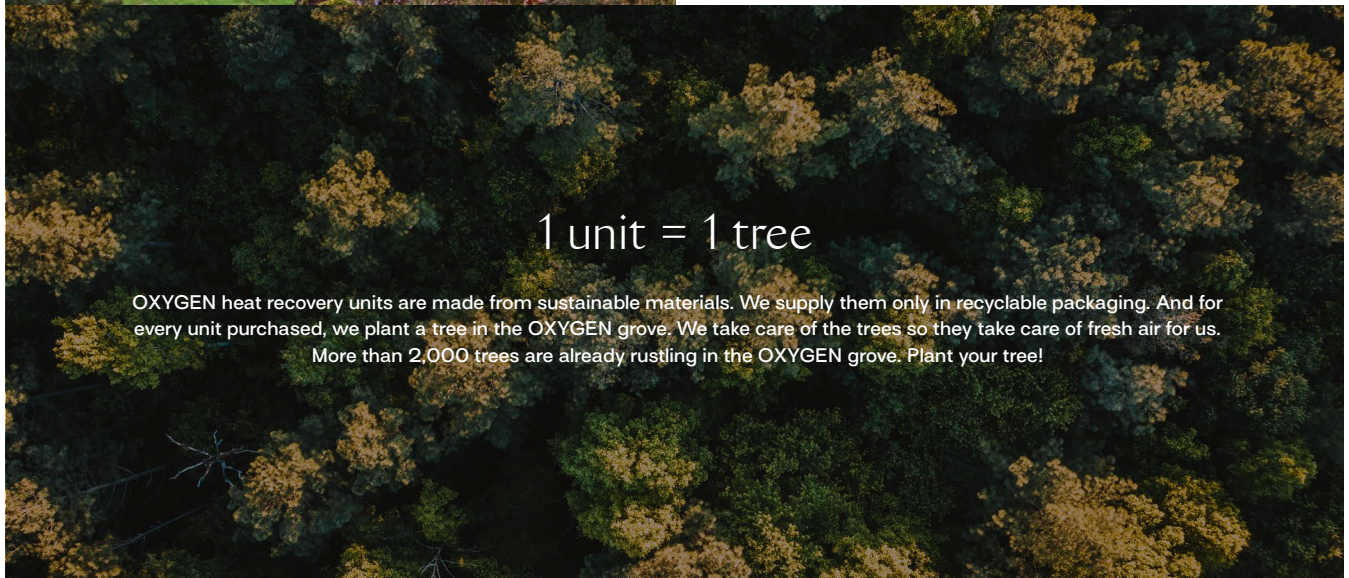


Sustainability

The European Commission's strategy for sustainable growth – the European Green Deal – envisages energy-efficient and, in the future, passive houses. Perhaps the most important element of such homes is the heat recovery system. A recuperator is a sustainable product that reduces our CO2 footprint while conserving energy. Breathe eco-friendly air.

1 unit = 1 tree

OXYGEN heat recovery units are made from sustainable materials. We supply them only in recyclable packaging. And for every unit purchased, we plant a tree in the OXYGEN grove. We take care of the trees so they take care of fresh air for us. More than 2,000 trees are already rustling in the OXYGEN grove. Plant your tree!





No more headaches for property developers

Developing real estate? Don't get lost in the confusing world of ventilation systems. OXYGEN breaks the established rules, offering simplicity, efficiency and progress. By consulting OXYGEN at the very beginning of your project, you will not only avoid mistakes, but also save money.

The right heat recovery unit will reduce the cost of building insulation and allow you to achieve a higher energy performance class. And a good quality ventilation unit will make a buyer's decision much easier.

Installers are OXYGEN's true ambassadors

It has never been easier for installers. Installing an OXYGEN heat recovery unit alone is easier and up to 2 times faster. The electric heater, control automation and other necessary components are located inside, so you won't have to spend time installing external accessories and you'll need less space to install the heat recovery unit.

In cooperation with OXYGEN, increase your knowledge and gain practical experience at the X-Air Academy training sessions, where we share best practices, present the latest news from the ventilation world and advise on all ventilation issues.



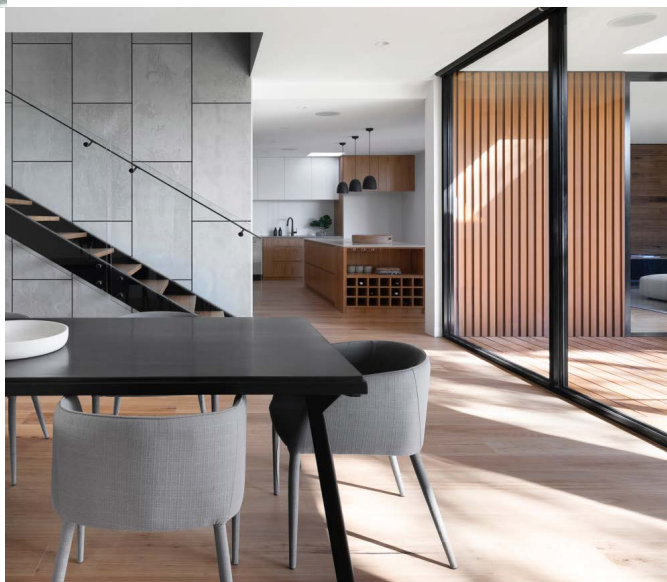
Beautiful and easy-to-choose solutions for architects and designers

Follow the example of western markets and choose the most advanced OXYGEN heat recovery units for your projects.

We provide assistance, advice and expert project evaluations. We share supporting CAD, 3D-model and specification files. After all, simplicity and elegance are key.

For everyone who breathes

OXYGEN solutions are both convenient and easy to understand when choosing, buying or using ventilation equipment. With OXYGEN, it's as easy as breathing.



The contents of this catalog are subjected to change without prior notice. Every possible effort has been made to ensure that the data herein is correct. However, OXYGEN group cannot assume any liability for any direct, in director consequential damages arising from the use of the information specified here.

OXY 1/23/EN