



Větrací jednotka se zpětným získáním tepla a vlhkosti

XHOUSE Beauty in simplicity

www.xvent.cz

suitable for apartments and houses heat and moisture recovery exchanger easy installation intergrated pre-preheater EC fans

...we focused on maximum utility value during the development of the Xhouse heat recovery unit. It is suitable for apartments and family houses. The unit adapts to your needs, if you solve controlled replacement of the air, or too high inside humidity. Thus you will feel better in your home.

The unit excels in low weight (only 16kg)

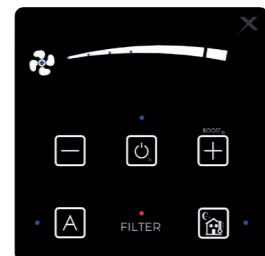
The energy class of the unit is A. The unit thus complies with most subsidy programs.

Possibility of **CO2 and RH** sensor connection.

The controls offers the possibility of extension to remote control and connection to your smart home platform.

Possibility of electronic bypass or mechanical bypass.

Possibility of connecting external heating (up to 1 kW). The unit supplies power to the heater only when it is running. Post-cooling function after switching off the unit (3min)



The built-in control is used to control the air output and other functions of unit.

The front cover is Removable and secured with screws at the bottom of the unit. It is available in white colour.

The body of the unit is made of black EPP (expanded polypropylene).

Insulated sockets for easy and safe connection of air ducts.

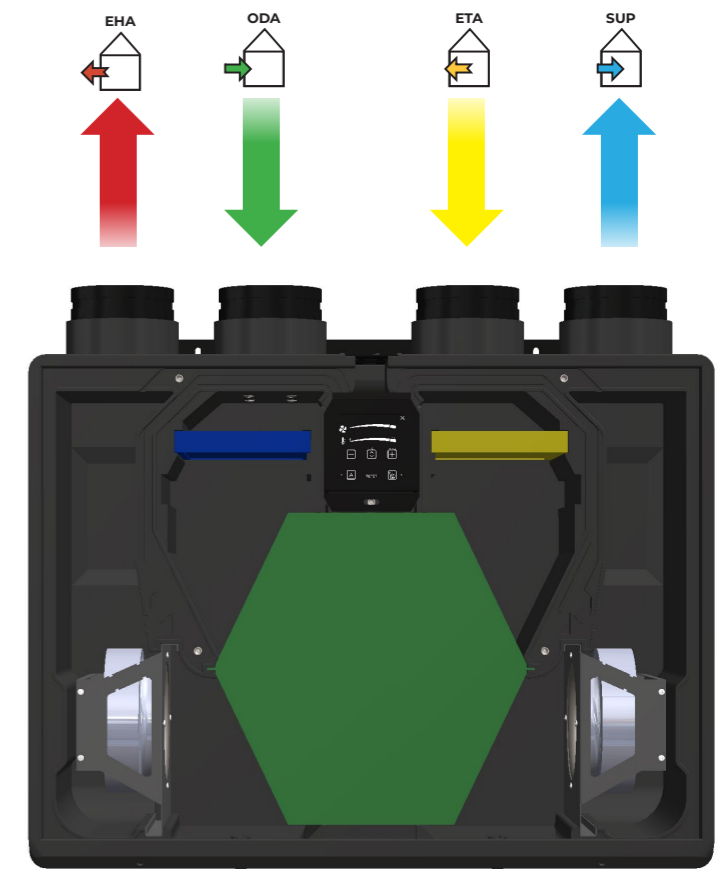
Filters with high-capacity filtration class M5 (alternatively F7)

Integrated preheater consisting of safe PTC elements and automatic performance control.

Two types of recovery exchangers. **Recovery of the heat or recovery of the heat and moisture (enthalpic).**

Accessible control board - simple connection of necessary accessories.

Description of air flow



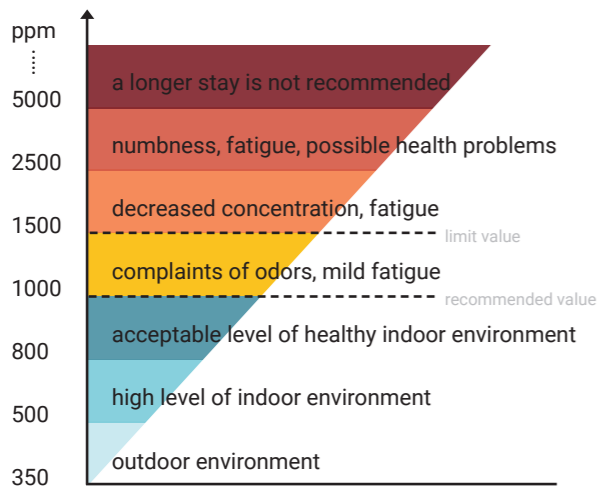
Central ventilation with heat and humidity recovery

If you are currently building, a central recuperation solution is almost an obvious choice for you. However, it is necessary to think about this technology already during the project.

For ventilation and the supply of fresh air to the whole house or several rooms, it is more appropriate to use central air recovery, which at the same time prevents the occurrence of humidity and, consequently, the diseases associated with it. Thanks to the high-quality insulation of the buildings, natural ventilation, which was caused by leaks, was minimized. This leads to an increase in CO2 concentrations and the need to ensure a regular supply of fresh air. Recovery offers you one of the best solutions.



Rekuperace a rozvody
 — prívod
 — odtah

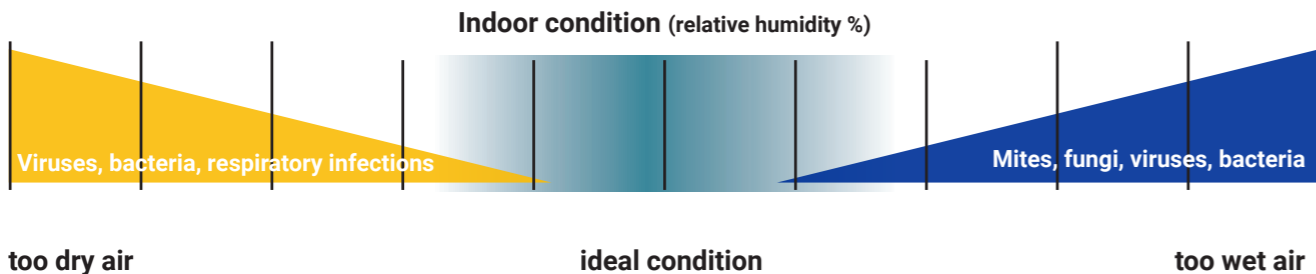


Effect CO2 on human - CO2 sensor in standard - simple solution

Sensors enable automatic operation of the unit. The unit operates only, when the inside quality of the air is worse than requested. When fulfilling the air quality request, such a solution generate only minimum ventilation costs in the real operations! This also means lower operation costs and faster paid back of the investment to ventilation unit purchase...

Effect of relative moisture of air on human - enthalpy regeneration

t air. The supplied air is so dry in the winter, that it can reduce the indoor relative humidity in the air below 20%. Such a low relative humidity cause drying-off the skin, mucous membrane and wood-made furniture and floors. Dry mucous membrane makes breathing less comfortable and cause respiratory diseases. Dehydration of the skin makes wrinkles and the drying-off the wood can damage furniture or floors. Ideal relative humidity inside should be around 50%. The solution is usage of Enthalpic Recovery Exchanger (Xvent recommends)



Technical parameters

type XHOUSE		XH1-30-ECSOHRXAS-0A0	XH1-30-ECSOERXAS-0A0	XH1-30-ECSOHRPAS-0A0	XH1-30-ECSOERPAS-0A0	XH1-30-ECSOHRXAS-1A0	XH1-30-ECSOHRXAS-1A0	XH1-30-ECSOHRPAS-1A0	XH1-30-ECSOHRPAS-1A0
		version with mechanical bypass							
Type of recovery exchanger		HRV	ERV	HRV	ERV	HRV	ERV	HRV	ERV
Unit equipment	preheater	-	-	electric (0,6kW)	electric (0,6kW)	-	-	electric (0,6kW)	electric (0,6kW)
Nominal airflow (external static pressure 200Pa)	m3/h	300	290	300	290	270	260	270	260
Noise level*	dB (A)	43,3	42,9	43,3	42,9	42	41,5	42	41,5
Weight**	kg	16,1	16,6	17,2	17,7	16	16,5	17	17,5
Power supply	V/Hz	1 ~ 230 / 50-60							
Nominal power input	W	184	182	784	782	180	178	780	778
Recovery efficiency EN308	heat / humidity	81 / -	75 / 66	81 / -	75 / 66	80,5 / -	74 / 64	80,5 / -	74 / 64
Protection	IP	20							
Energy efficiency class (SEC)	-	cold climate A+ ; medium climate A ; warm climate E							

* sound pressure level in (L_{WA}) 3m (Q2) - 250m3/h - 120Pa

** unit weight (without packaging)



Version possibility

- ELECTRONIC BYPASS / MECHANICAL BYPASS
- AIR PREHEATER VERSION

Accessories



CO2 room sensor - after switching the unit to automatic mode, the air flow is regulated based on the CO2 concentration in the room.



RH room sensor - after switching the unit to automatic mode, the air flow is regulated based on the concentration of relative humidity in the room.



CO2 + RH sensor - after switching the unit to automatic mode, the air flow is regulated based on the concentration of CO2 or relative humidity in the room. Depend on bigger concentration.

Basic dimension



ModbusBox - extension control module for connection to a superior unit control system. (Modbus).



AQS extender - allows to connect up to 8 pcs of air quality sensors



více info



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