LICON®
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DECENTRALIZED

Heat recovery unit VENTBOX 800 Public

- clean air for schools, kindergartens and offices
- high efficiency up to 88 %
- automatic control of CO_2 levels
- detection of radon and relative humidity

The decentralized heat recovery unit **VENTBOX 800 Public** is designed for installation in enclosed spaces of school buildings and other public spaces. It meets strict hygienic limits for acoustic emissions and air filtration. **Ventilation performance, low acoustic emissions, compact dimensions and efficient heat recovery allow installation even in buildings, where extensive air ducts cannot be built.**

High efficiency of recovery

Automatic operation control according to the CO_2 levels in the room

Low energy consumption and minimal noise

Simple installation without the need for air ducts

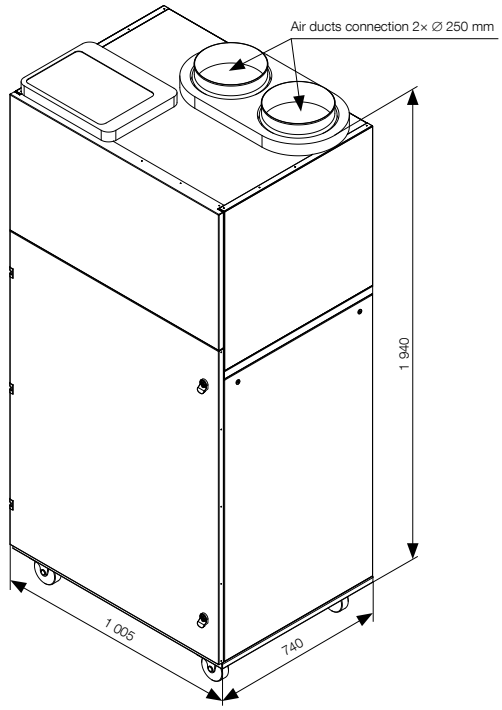
ThermWet®

2024

VENTBOX 800 Public

Specification

Dimensions	1 940 × 1 005 × 740 mm
Max. airflow	800 m³/h
Preheating	integrated, maximum preheating power 3.5 kW
Circuit breaker	16 A–230 V
Network communication	Modbus TCP/IP
SFP	0.18–0.29 W/m³/h
Control	via web interface (time modes, automatic control according to the concentration of CO_2, radon, and humidity)



Unit power [%]	External pressure [Pa]	Airflow [m³/h]	Power input [W]	SFP [W/m³/h]	Heat recovery efficiency			
					With standard heat exchanger according to EN 13141-7		With enthalpy heat exchanger according to EN 13141-7:2011	
					Heat ηt [%]	Humidity ηx [%]	Heat ηt [%]	Humidity ηx [%]
15	**50**	120	19	0.16	80.8	–	85.0	77.8
70	**50**	560	106	0.19	81.8	–	78.5	62.5
100	**50**	800	239	0.30	81.6	–	76.2	56.3
100	**200**	800	318	0.40	81.6	–	76.2	56.3

The VENTBOX 800 Public ventilation unit has its own solution for connecting exterior air inlets, for example through a window infill. The termination of air ducts on the outside of the building is always done with a requirement for aesthetic appearance and functionality. The ventilation unit is equipped with an efficient heat exchanger and reduces heat losses that occur during conventional ventilation 'only by opening windows' or other economically and technically unsuitable methods of ventilation. **It ensures a permanent reduction in CO_2 concentration and maximum elimination of outdoor odors using carbon filters and brings the comfort of fresh clean air.** The installation of a unit with an enthalpy exchanger does not require connection to a waste pipe for condensate drainage.

Decentralized heat recovery unit variant

- suitable for schools, kindergartens, halls, training centers, libraries, and offices up to 600 m²
- low noise (integrated noise suppressor for interior and exterior)
- high efficiency of heat recovery up to 88 %
- version Premium – a more sophisticated version of the unit, equipped with unique EC motors with constant flow function, compensating for pressure losses including filter cloggin indication
- decentralized solution – simple installation without the need for duct installation
- low weight, easy handling (the top part of the silencer can be separated from the motor part)
- optional enthalpy exchanger with heat and humidity recovery, without the need for condensate drainage and the need for electric preheating (operation down to -10 °C)
- standard exchanger equipped with automatic frost protection with intelligent control of the PTC heater
- F7 class filters with a large filtration range – pollen, odor, bacteria, mold
- automatic bypass

Centralized heat recovery unit variant

- suitable for family houses with an indoor pool, administrative buildings, schools, kindergartens, cafes up to 600 m²
- the unit is available in a more sophisticated Premium version, which is equipped with unique EC motors with a constant flow function, compensating for pressure losses, including filter clogging indication with connection to air ducts 4× 250 mm
- dimensions 1 260 × 1 005 × 750 mm

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LICON s.r.o.
Svárovská 699
463 03 Stráž nad Nisou
Czech Republic
e-mail: info@licon.cz
www.licon.cz
www.thermwet.cz

@licon.cz **@liconcz**