Your trusted partner in ventilation

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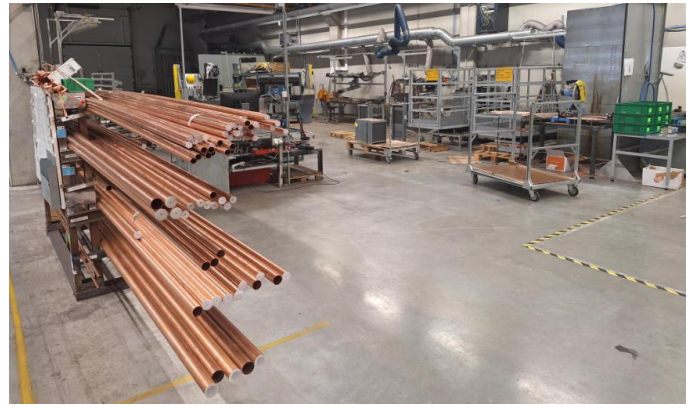
Agenda

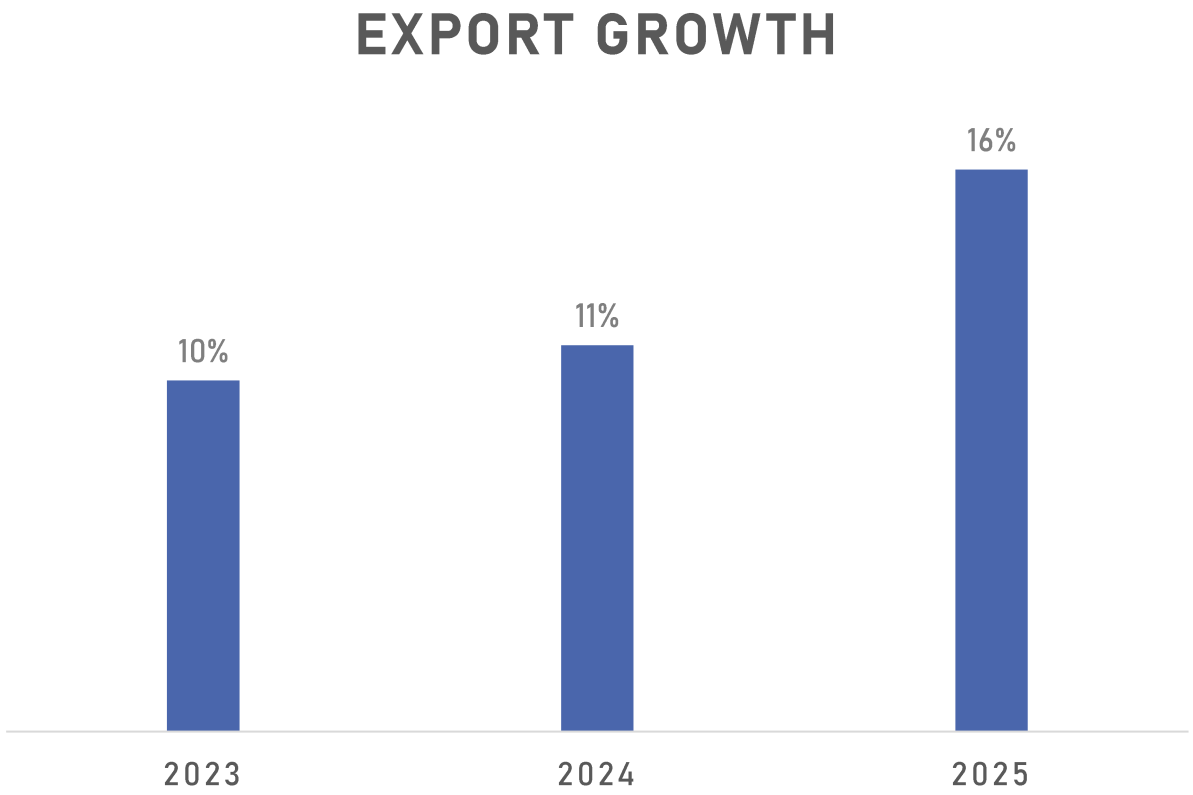
- Company info
- Electric heaters for HRU/AHU
- Accessories for el. heaters
- Water coils for HRU/AHU
- Duct mounted water heaters and coolers
- Fan speed controllers
- Controls for HRU/AHU

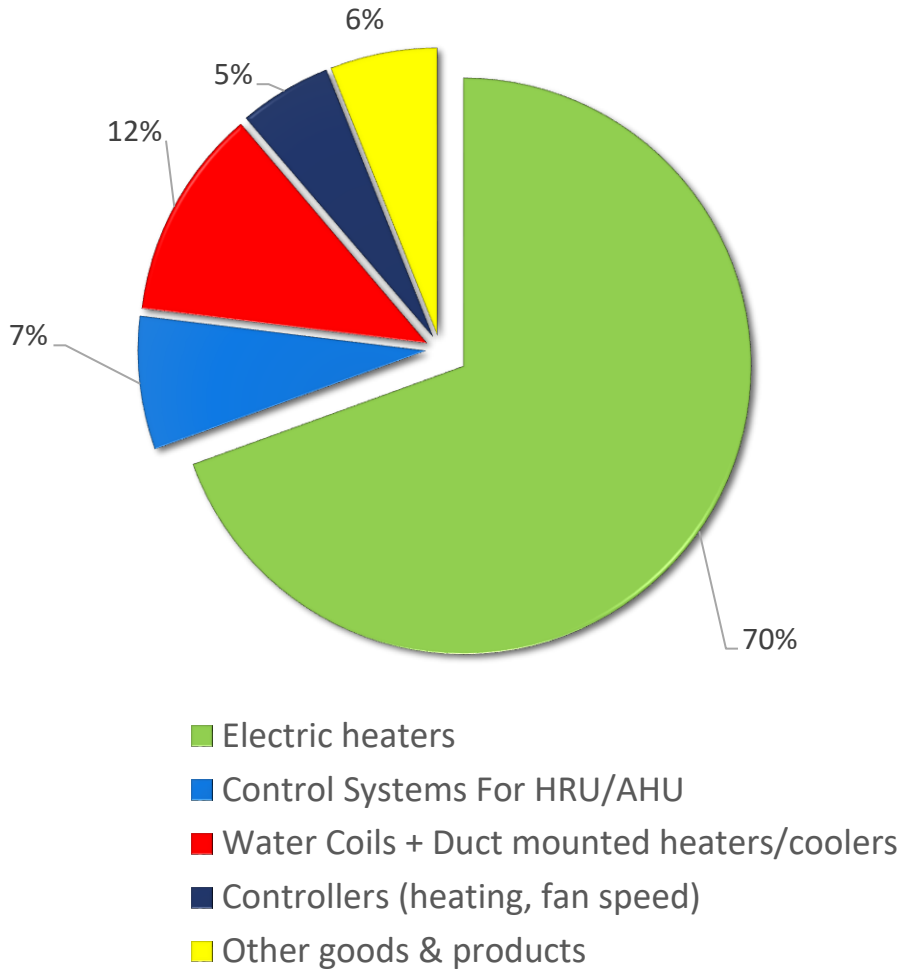
Company Profile

- Production and R&D/lab facilities located in Šiauliai, Lithuania.
- 22 years of experience in ventilation business
- Production area over 6000 m2
- Turnover of 7.9 million EUR in 2025
- 98 employees



Sales Figures





Electric Heaters

Circular duct heaters

Rectangular duct heaters

Heaters for AHU

Bespoke heaters

- All standard duct diameters/dimensions
- Various power combinations available
- 6 different control types

- Any size or shape custom heaters
- Power output starting from 0.3kW
- Multi level protection

Control Types

Type ON/OFF

Designed for use with an external controller.

Possible accessories:

EKR 6

EKR 15.1

EKR 30

Type NV

Setpoint (0...30) on casing.
Heater works autonomously.

Required accessories:

TJK-10K*

Type NV PTC/PS

Setpoint (-10...50) on casing.
Equipped with an airflow sensor & a differential pressure switch.
Heater works autonomously.

Required accessories:

TJK-10K*

Type NI

Requires external temperature setpoint (0...30): TR5K, TR5KNTC10 (with internal sensor)
Heater works autonomously.

Required accessories

TJK-10K*

TR5K

TR5KNTC10

Type NIS

Heater is controlled by an external 0...10V control signal

Type ESKM

Heater is controlled by an external 6...24V DC PWM control signal.
Additional automatic thermostat of 70°C for ESKM module protection.

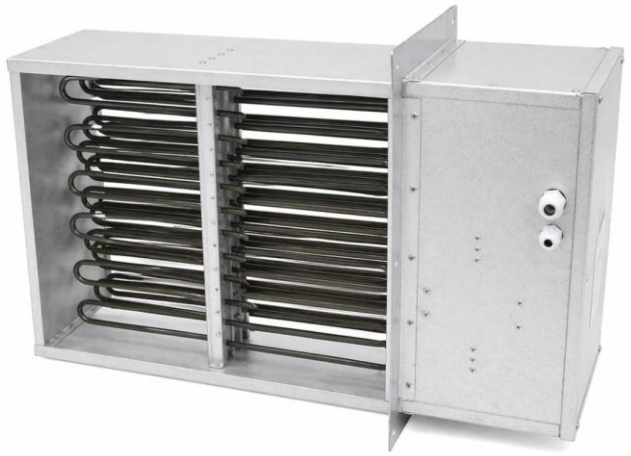
Type ModBus

External control via ModBus RTU protocol. RS485 connection.

*Included in price of the heater

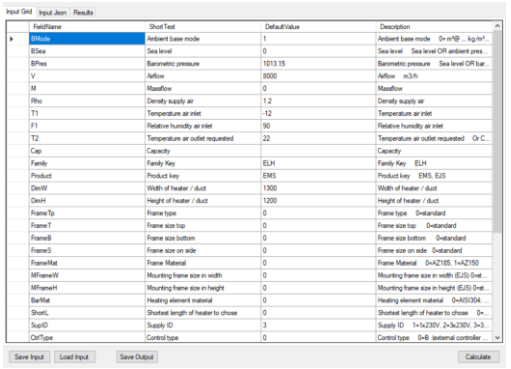
AirCalc++ selection software

EMS



EJS

airCalc
AHU SELECTION SOFTWARE



- Featured on AirCalc++ selection software
- DLL blackbox is available for sharing
- Test Engine can be used, if software integration is not possible

- AirCalc++ has both EJS and EMS casings
- Power output starting from 3kW
- Protection class IP54 available
- Galvanized steel, Aluzinc, Aisi304, Aisi316L

Accessories For El. Heaters

Controllers (pulsers)

1ph/2ph heater controller

3ph heater controller (max 240kW)

3ph heater controller (max 480kW)

Sensors

Duct air temperature sensor

Surface (water pipe) temperature sensor

Water coils for HRU/AHU

▶ Tubes

- Diameter: 12.7 mm / ½”
- Copper
- Resistant to the vast majority of primary fluids

▶ Fins

- Aluminum 0.2mm

▶ Frame

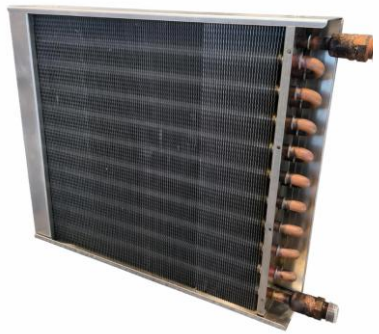
- Galvanized steel, Aluzinc, Aisi304

▶ Fluids

- Water, ethylene glycol, propylene glycol

▶ Coil plate

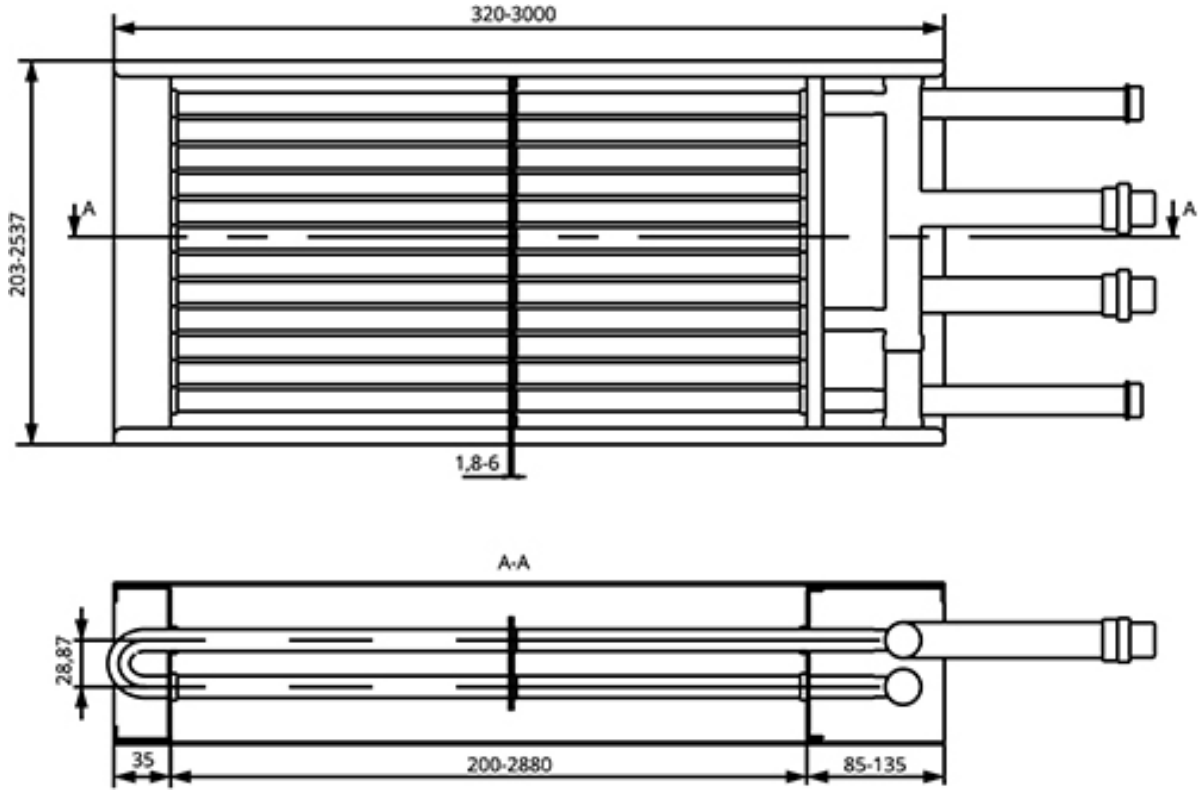
- 33.33x28.87mm



Water coils for HRU/AHU

Geometries

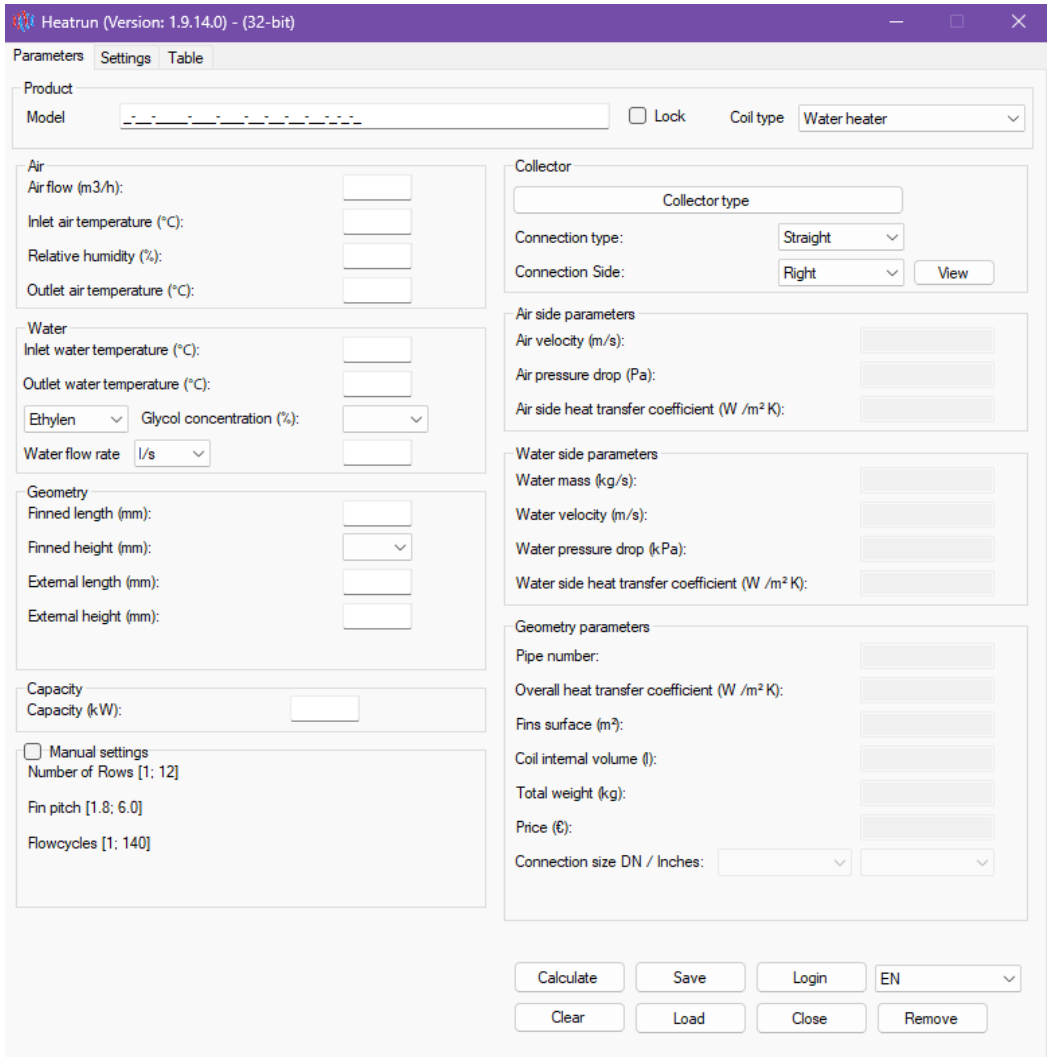
External measurements	Height Min 137 mm	Max 2500 mm
	Width Min 200 mm	Max 2500 mm
Fin pitch	Min 1.8 mm	Max 6.0 mm
Number of rows	Min 1	Max 12
Distance between rows	28,87 mm	
Tube diameter	12,7 mm	
Tube wall thickness	0,4 mm	
Tube length	Min 220 mm	Max 2550 mm



Heatrun selection software

Heatrun coil

- Galvanized steel, Aluzinc, Aisi304
- DLL blackbox is available for sharing
- Test Engine can be used as stand-alone option, if software integration is not possible



Duct Water Heaters & Coolers (Circular)

- 9 standard sizes (Ø 100-500 mm)
- Casing of Aluzinc coated sheet steel
- Opening access panel for inspection and cleaning
- Duct connections are fitted with rubber gaskets
- Coil, 2 or 3 tube rows (3 tube rows are made of hydrophilic aluminum)

Heater

Cooler

Air tightness Class D EN 15727

Duct Water Heaters & Coolers (Rectangular)

- 10 standard sizes (from 250x150 up 1200x600 mm)
- Custom sizes available
- Casing of Aluzinc coated sheet steel
- Hot water coils with 2 and 4 rows
- Chilled water coils with 3 and 4 rows
- Air tightness class C according to EN15727
- Stainless steel condensation tray

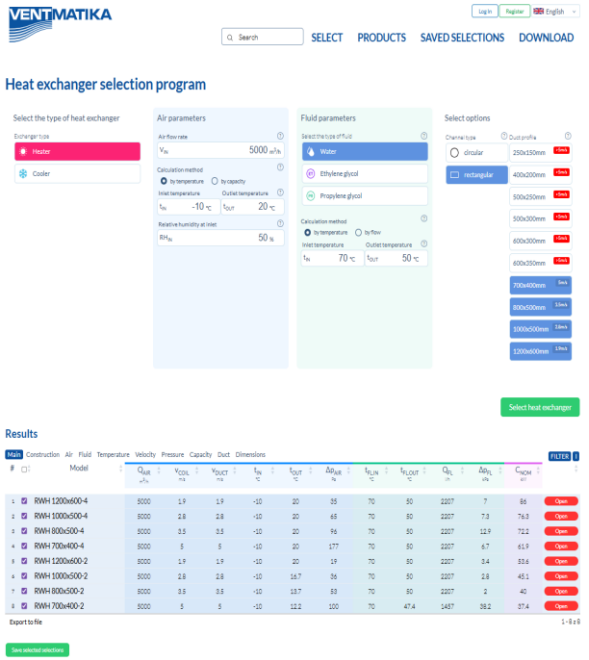
Cooler

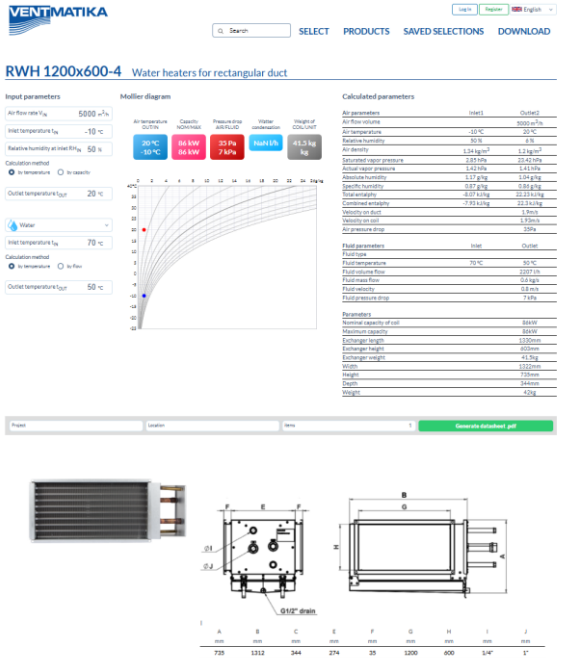
Heater

Duct Water Heaters & Coolers (Rectangular) selection software

RWC/RWH

CWC/CWH





www.ventmatika.lt/select

Fan Speed Controllers

EC motor control

AC motor control
(1ph or 3ph)

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Thank you for your time!