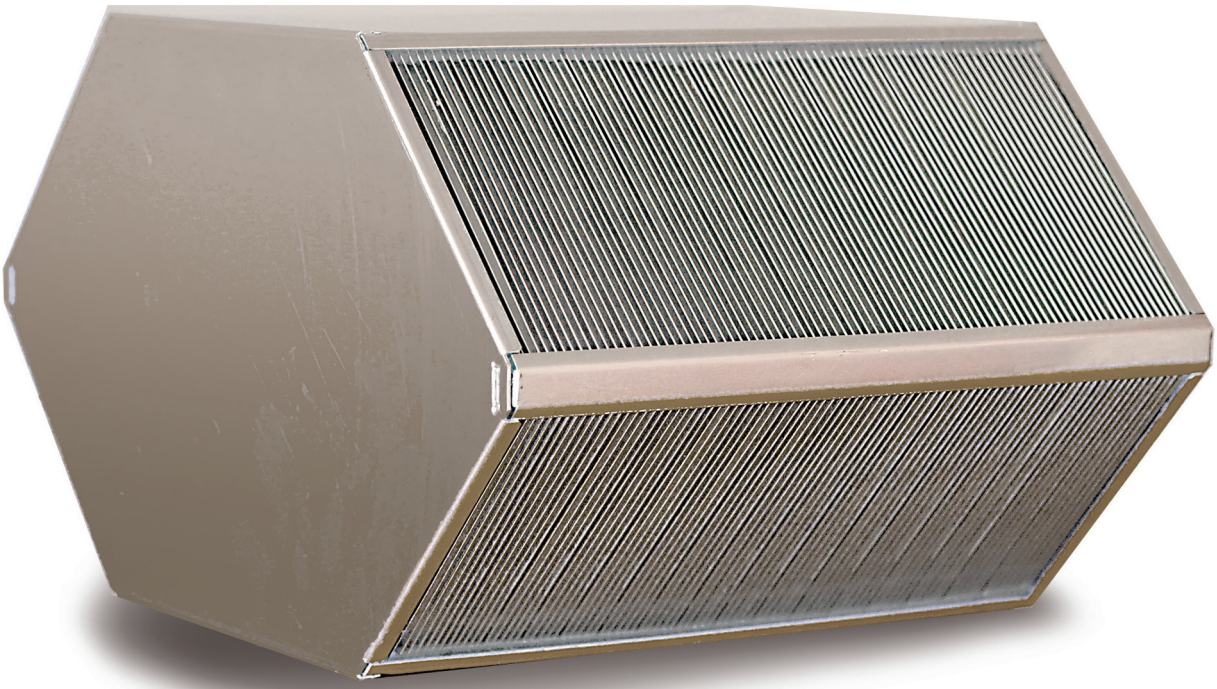
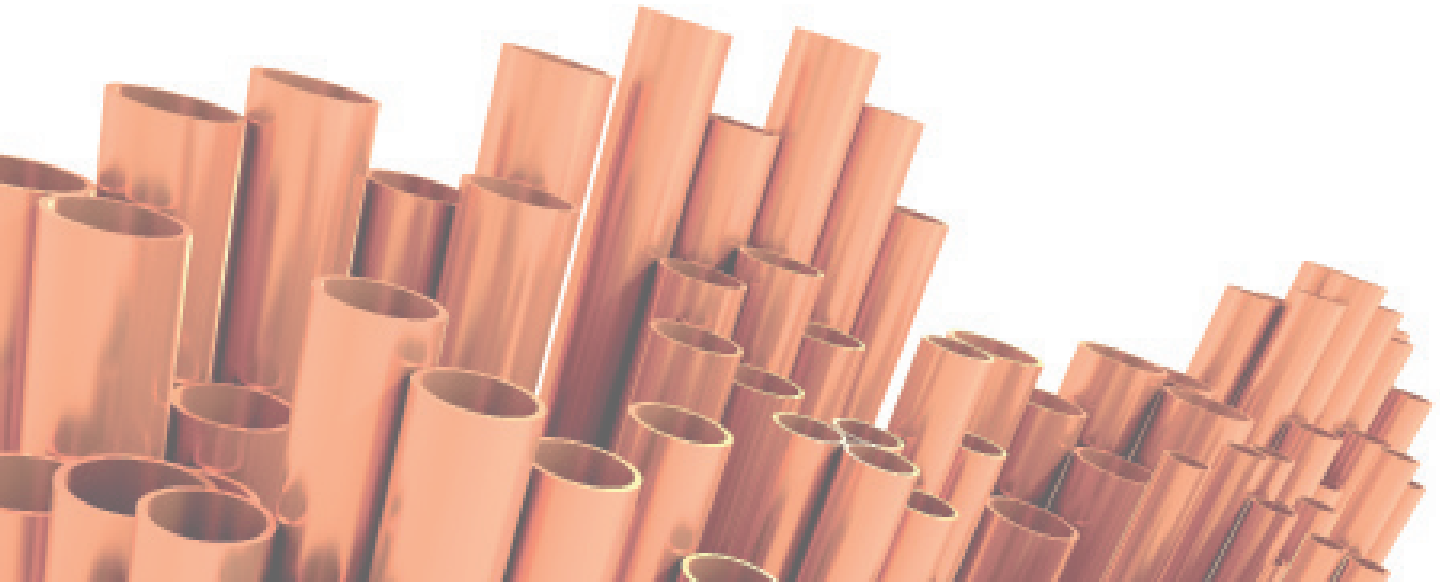
EKOCOIL LEV dry



INNOVATIVE COUNTER-FLOW PLATE HEAT EXCHANGER



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LONGER RUNNING PERIODS: "80/20 IS THE NEW 60/40"

As a result of extensive research and development Ekocoil presents a completely new kind of range of heat exchangers solving some of the key challenges with current heat exchanger design.

The design and features of LEV^{dry} heat exchanger differs from the counterflow exchangers in the market today in two significant ways.

1. LESS WATER ACCUMULATION

The structure of plate in LEV^{dry} is designed in a way, which allows condensation water to exit quickly during running and especially during frosting periods.

Traditional heat exchanger design causes water pockets to form inside the exchanger. In LEV^{dry} this problem has been solved. Thanks to the novel design of LEV^{dry}, only 1/3 of the water amount remains inside the exchanger compared to the old structure.
LEV^{dry} offers:

- Longer running periods
- Better air quality
- Significantly higher annual efficiency rate

2. OPTIMAL SPACING

With the heat exchangers currently in the market, it is usually possibly only to choose a specific spacing dependent on the size of the exchanger.

In LEV^{dry} the spacing can be chosen from several different options. This allows for optimization between efficiency rate and pressure loss.

STRUCTURE

Plates

The plates are made of aluminum. For conditions prone to corrosion, the plates can be made of epoxy-coated aluminum.

Frames

The frames are made either of aluminium or of epoxy coated steel. Also stainless steel is available as special order.

Sealant

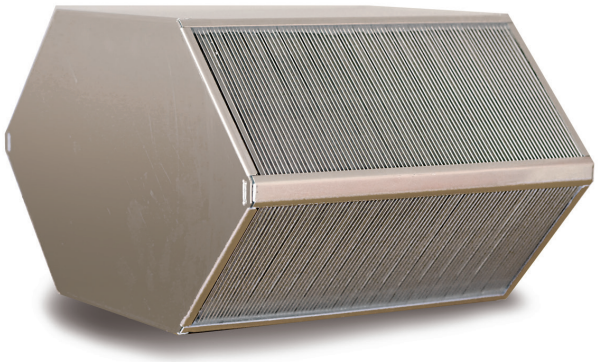
Silicon is used as a sealant, butan or PUR adhesive material available through special order.

Min. operating temperature: -50°C
Max, operating temperature: +90°, with special material +300°C

Dual seams make the Ekocoil heat exchanger especially well sealed.

The new LEV^{dry} –range has 9 sizes with an optimal solution for air volume flow rate up to 2500 l/s.

Ekocoil manufactures also combi/dual heat exchangers suitable for air flow volume rates up to 5000 l/s .



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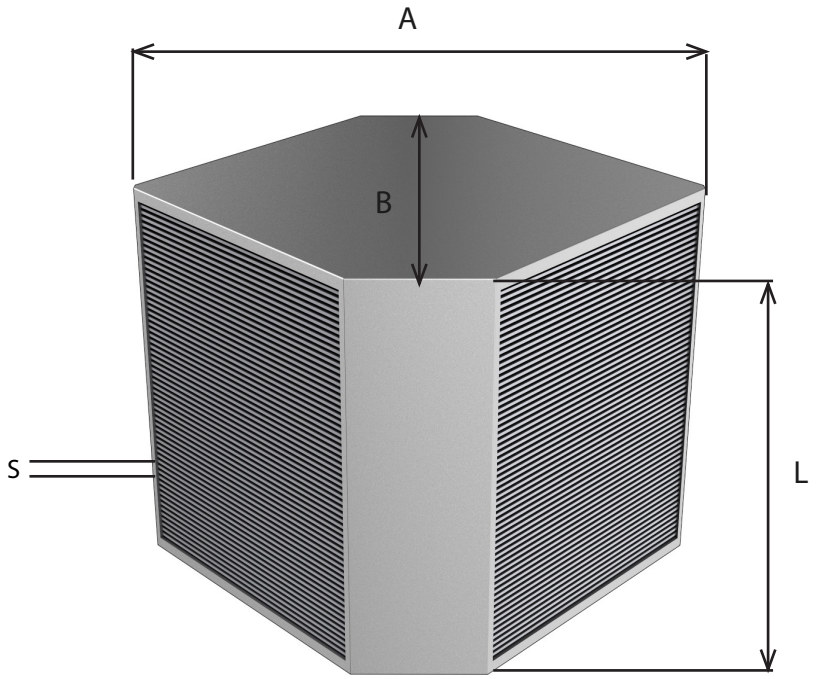
DIMENSIONS

MODEL [LEV-XX-L-spacing mm]	A [mm]	B [mm]	L [mm]	S [mm]
LEV-455-230-L-S	455	230	100-650	2.1 2.3
LEV-500-270-L-S	500	270	100-650	2.0 2.2
LEV-540-312-L-S	537	312	100-650	2.1 2.3
LEV-620-394-L-S	619	394	100-650	2.2 2.5 3.0 4.0
LEV-760-534-L-S	758	534	100-650	2.2 2.5 3.0 4.0
LEV-800-500-L-S	800	500	100-650	3.0
LEV-900-675-L-S	899	674	100-650	2.2 2.5 3.0 4.0
LEV-1040-815-L-S	1040	815	100-650	2.2 2.5 3.0 4.0
LEV-1180-955-L-S	1182	957	100-650	2.2 2.5 3.0 4.0
LEV-1600-1376-L-S	1600	1376	100-650	2.2 2.5 3.0 4.0
LEV-1885-1662-L-S	1885	1662	100-650	2.2 2.5 3.0 4.0
LEV-2165-1945-L-S	2165	1945	100-650	2.2 2.5 3.0 4.0



OPTIMIZED HEAT EXCHANGER SOLUTIONS

EKOCOIL is one of the leading manufacturers of finned coils in the Nordic region. Our extensive product portfolio also includes air to air plate heat exchangers, dry coolers, condensers and evaporators and coolers.

Our products are easily customized and optimized. They have a wide variety of applications in different types of conditions and environments. Our Sales will help with planning and dimensioning.

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