

COUNTERFLOW HEAT EXCHANGERS

I. Product specification

1. **Overview.**

- Up to 90% energy recovery, no cross-contamination
- Sizes from 496mm x 271 mm to 1182 mm x 959 mm
- Direct replacement for most typically used plate exchangers on a market
- Available with both aluminum and polymer plates
- Easy recyclable packaging
- Easy handling – using handling strips

2. **Construction**

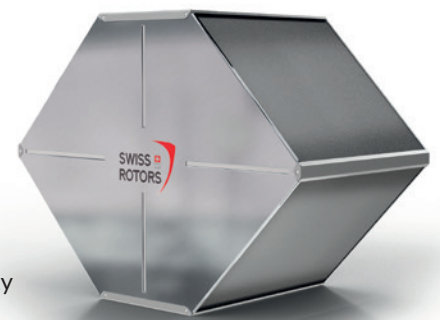
- two types of materials - with aluminum or polymer plates with casing made of Aluzinc. The core is made of plates joined together in a define distance of 2 or 3 mm depending on a chosen type.
- For aluminum core they are mounted by a double folded edges and for plastic by an ultrasonic welding. They are tightly glued to the casing to avoid any leaks using hot-melt glue.

3. **Technology**

- Automatic technology
- Double folded edges or ultrasonic welding depending of the used material

4. **Quality**

- Superb hygenic, certified to the HYgenic norms: VDI 6022, SWKI VA104-01
- Each units tested according to EN308
- The exchanger construction ensures the separation of the air streams - the air quality is maintained.



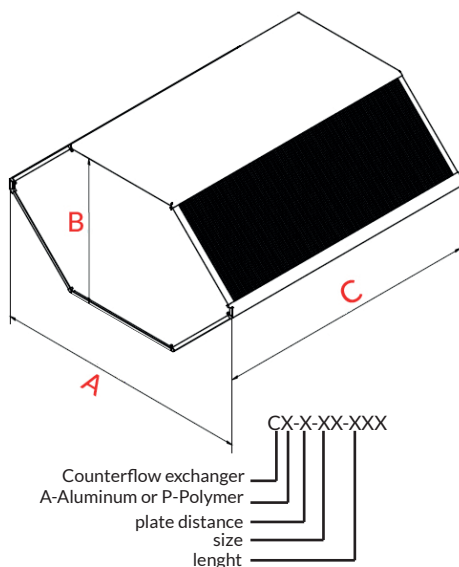
5. **Operation Limits**

- counterflow unit are prepared to work from -40°C up to +70°C for the aluminum plates and from -20°C up to +50°C for polymer plates.
- Maximum differential pressure between supply and exhaust airflow – for aluminum exchanger 800Pa and for polymer – 800Pa. We strongly recommend keeping the maximum pressure drop not greater than 300Pa. Recommended airflow on the inlet is not greater than 3m/s.

6. **Cleaning**

- Polymer plates - pressure washer from the appropriate distance of minimum 120 mm from the surface
- Aluminum plates - air compressor burst from the appropriate distance of minimum 120 mm from the surface.
- Do not use any detergents! Keep temperature below 25°C

II. Casing drawings and dimensions [mm]



Model	Material	Plate distance	A	B	C
		mm	mm	mm	mm
CA-2-27	Alu	2	496	271	225÷800
CA-2-31	Alu	2	537	312	225÷800
CA-3-31	Alu	3	537	312	225÷800
CA-2-39	Alu	2	619	394	225÷800
CA-3-48	Alu	3	703	480	225÷700
CA-2-53	Alu	2	758	534	225÷700
CA-2-67	Alu	2	899	674	225÷500
CA-2-95	Alu	2	1182	959	225÷500
CA-3-95	Alu	3	1182	959	225÷500
CP-2-31	Polymer	2	537	312	225÷800
CP-3-31	Polymer	3	537	312	225÷800
CP-2-39	Polymer	2	619	394	225÷800
CP-3-39	Polymer	3	619	394	225÷800