

I. Product specification

1. Overview

- Up to 90% energy recovery, no cross-contamination
- Direct replacement for most typically used plate exchangers on a market
- Available with both aluminum and composite 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 0.08 or 0.12” 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°F up to 158°F for the aluminum plates and from -4°F up to 122°F for composite plates
- Maximum differential pressure between supply and exhaust airflow – for aluminum exchanger 3.2 iwg and for polymer – 3.2 iwg. We strongly recommend keeping the maximum pressure drop not greater than 1.2 iwg
- Recommended airflow on the inlet is not greater than 590 fpm

6. Cleaning

- Polymer plates - pressure washer from the appropriate distance of minimum 5” from the surface
- Aluminum plates - air compressor burst from the appropriate distance of minimum 5” from the surface
- Do not use any detergents! Keep temperature below 77°F

II. Casing drawings and dimensions [in]

Swiss Rotors Model	Material	Plate distance in	A in	B in	C in
CA-2-27	Alu	0.08	19.5	10.6	8.5÷31.5
CA-2-31	Alu	0.08	21	12.2	8.5÷31.5
CA-3-31	Alu	0.12	21	12.2	8.5÷31.5
CA-2-39	Alu	0.08	24.3	15.5	8.5÷31.5
CA-3-48	Alu	0.12	27.6	19	8.5÷27.5
CA-2-53	Alu	0.08	29.8	21	8.5÷27.5
CP-3-31	Polymer	0.12	21	12.2	8.5÷31.5

*data and dimensions may be changed please contact for the individual drawing and data

III. Dimensions and values for high efficiency counterflows.

Swiss Rotors Model	Material	Plate distance in	A in	B in	C in
CP-HE-2-31	Polymer	0.08	21	12.2	8.5÷31.5
CP-HE-2-39	Polymer	0.08	24.3	15.5	8.5÷31.5
CP-HE-3-39	Polymer	0.12	24.3	15.5	8.5÷31.5

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