

Prismafilter

Geavanceerde luchtwassers voor
industriële- & agrarische
bedrijven



Inlet Conditioning AeroX heat exchanger

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AeroX heat exchanger

Prismafilter 

This heat exchanger is used for pre-conditioning the incoming air.

The evolving welfare standards and the reduction of antibiotic use impose high demands on the living environment of the animals.

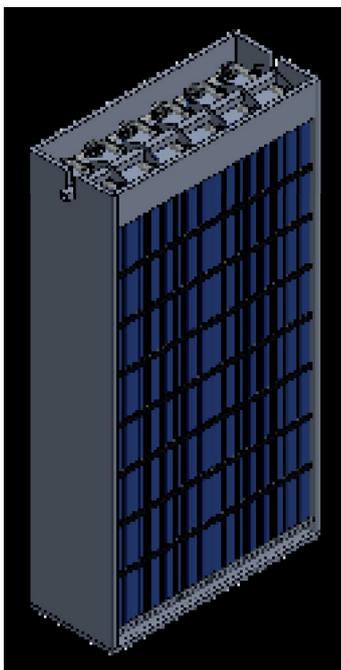
It is also in the interest of the business results that risks such as drafts and heat stress are minimized.

The AeroX heats or cools the incoming air, thereby smoothing out the extremes of the outdoor climate. This results in an optimal barn climate.

The energy for this water-air heat exchanger is generated by an external energy source (e.g., groundwater well or surface water) or is recovered from the residual heat of outgoing barn air or a biogas installation.



Inside



Suspended version

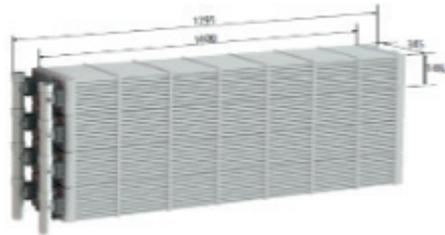
Features

- Water/air exchanger
- High efficiency
- Improved living environment for humans and animals
- Heat exchanger made from flexible plastic
 - No risk of packet disintegration
 - Resistant to ammonia
 - No need for antifreeze liquids (e.g., glycol)
- Unique connection system for fluid lines
- Modular design
- Sturdy and easy-to-clean construction
- Optimal energy transfer in combination with AeroComp wind compensation
- High energy transfer thanks to numerous \varnothing 8 mm plastic tubes
- Supplied with durable casing
- Not UV-resistant
- Impact and vibration resistant



Advantages of preheating:

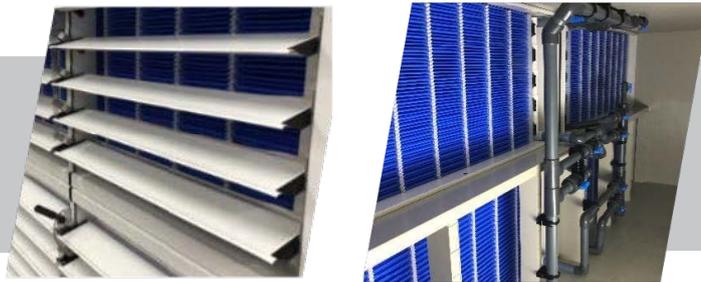
1. Higher minimum ventilation
2. Improved feed conversion
3. Settings are less critical
4. Better air distribution
5. Reduced risk of drafts



Advantages of cooling:

1. Reduced heat stress
2. Improved feed conversion
3. Lower maximum ventilation:
 - Lower energy costs
 - Reduced air scrubber capacity

AeroX Heat Exchangers are ideally suited for use in industry, the agricultural sector, as well as offshore applications. Heating, cooling, and heat recovery are all possible with this heat exchanger. It is often used in combination with air scrubbers, geothermal energy systems (WKO), heat pumps and similar technologies. The AeroX is constructed from specially developed flexible, thin-walled polyethylene (PE) tubes, which ensure maximum heat transfer.



Thanks to the choice of materials, the heat exchanger units are resistant to temperatures well below freezing. The liquid inside the heat exchanger may freeze, but this will not cause any damage to the unit. Since the heat exchanger is made from PE, it is resistant to a wide range of liquids and harsh environments, eliminating corrosion as an issue.

| Description: | Article code: |
|---|----------------------|
| AEROX heat exchanger 1800 long, 2-6 packages in casing | On request |
| AEROX heat exchanger 1800 long, 2-6 packages without casing | On request |
| AEROX heat exchanger 1000 long, 2-6 packages in casing | On request |
| AEROX heat exchanger 1000 long, 2-6 packages without casing | On request |

