

## Product Catalogue 20 sec 01 Separators & Louvers type Apro

AF Offshore AeronMollier is a total contractor of AERON HVAC Systems for marine and offshore applications. To cover the complete range of products, we have several manufacturers of different kind of equipment, all carefully selected to obtain the right quality for the specific project.

Our OEM supplier of the AERON Apro louver has great experience in producing louvers and droplet separators for cruise ships, ferries, special ships and offshore installations. The AERON Apro louvers and droplet separators has combined functionality with beauty. The AERON Apro droplet separators remove miniscule droplets and spray



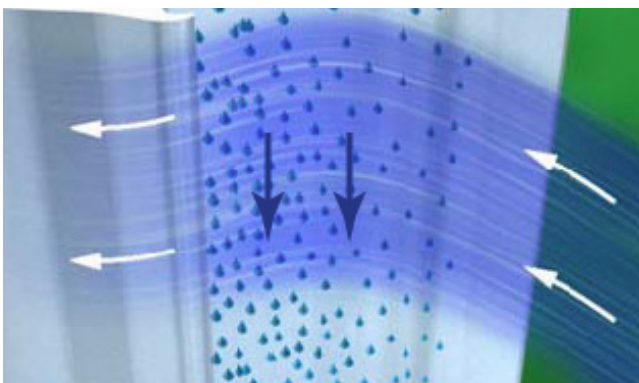
from the airstream and so protect man and machine on board of any ship or offshore platform.

AERON Apro louvers gives the finishing touch to any facade, both for the interior and exterior. Pure as a design element on wall or ceiling, or as sun protection that also saves energy in the user's cooling costs. We pay great attention in details to make sure that its products fit seamlessly into its environment.

## LOUVERS AND SEPARATORS FOR THE SEVEN SEAS

Such kind of louvers and seperators are mounted on many cruise ships, ferries, specialty boats and offshore installations. The products are manufactured out of marine resistant high grade aluminium and stainless steel. They can be coated in any colour of your choice and also anodization is possible.

The droplet separators gives you the performance you can expect regarding efficiency, pressure loss and noise under any weather condition while the louvers are designed to give your structure the aesthetic look it deserves.



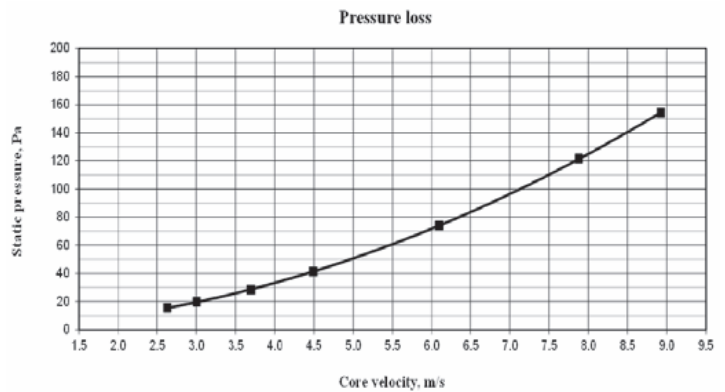
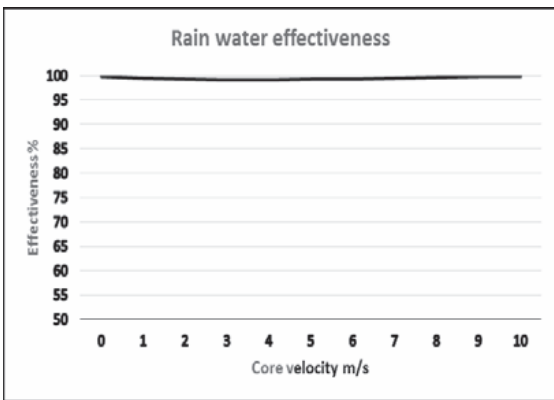
## EVERY PROJECT IS DIFFERENT

One size does not fit all. That is why all our Separator and technical ventilation products are made to meet individual technical requirements, for a truly tailored fit.



**PERFORMANCE**

The performance of the AERON Apro droplet separator is great. The droplet separators are optimized to maximize efficiency and pressure loss at the largest possible face velocity range.



*Highest efficiency class A and lowest pressure loss, also at high face velocities*



The unique vane pack of our Droplet Separator is ideally suited to HVAC systems requiring ultra-low pressure loss with highest efficiency and can be easily retrofitted into existing installations.

Many options including Industry standard heating for cold climate applications, hinged construction for easy maintenance, secondary filters, configurable flange and drainage possibilities are available upon request. The shape of the vane pack even make it possible to follow the contours of the ship.

Solutions with built in dampers or weathertight hatch are also available upon request.

**ACCESSORIES**

To complete the package we deliver various types of filters and dampers. Filter options include G and F type

filters in moisture proof or highly resistant media, along with optional ATEX approved filters for installation in explosive risk environments. The Filters have a proven record of a long service life and high efficiency in the most demanding environmental conditions. The material can be waterproofed to prevent airborne droplets penetrating the filtration material.

The Marine dampers are manufactured using aluminum frames and louvers to minimize the risk of bimetallic corrosion when coupled with Aluminum primary louvers and droplet separators

Options include provisions for manual operation and fitting of industry standard actuators from all leading manufacturers. All components are mounted into a compact package that gives optimal performance.

Demisters are regularly used onboard ships to remove water from the air. Demisters are especially important onboard cruise liners, as the large numbers of passengers need an immense amount of air, and the standards set for air quality are extremely high.

The AERON Apro louvers has been tested for quality by the independent Technical Research Centre of Finland and conform to the requirements of the EN13030:2001 standard.

We may also deliver classy screening louvres for hiding demisters onboard ships. These stylish horizontal louvres are used for architectural reasons – to screen demisters on the sides of ships.

Our demisters are made of extruded aluminium of stainless or acid-proof steel, depending

on your requirements. The demisters can be supplied with either a powder-paint or lacquered

finish. Alternatively, you can choose not to have any surface treatment.



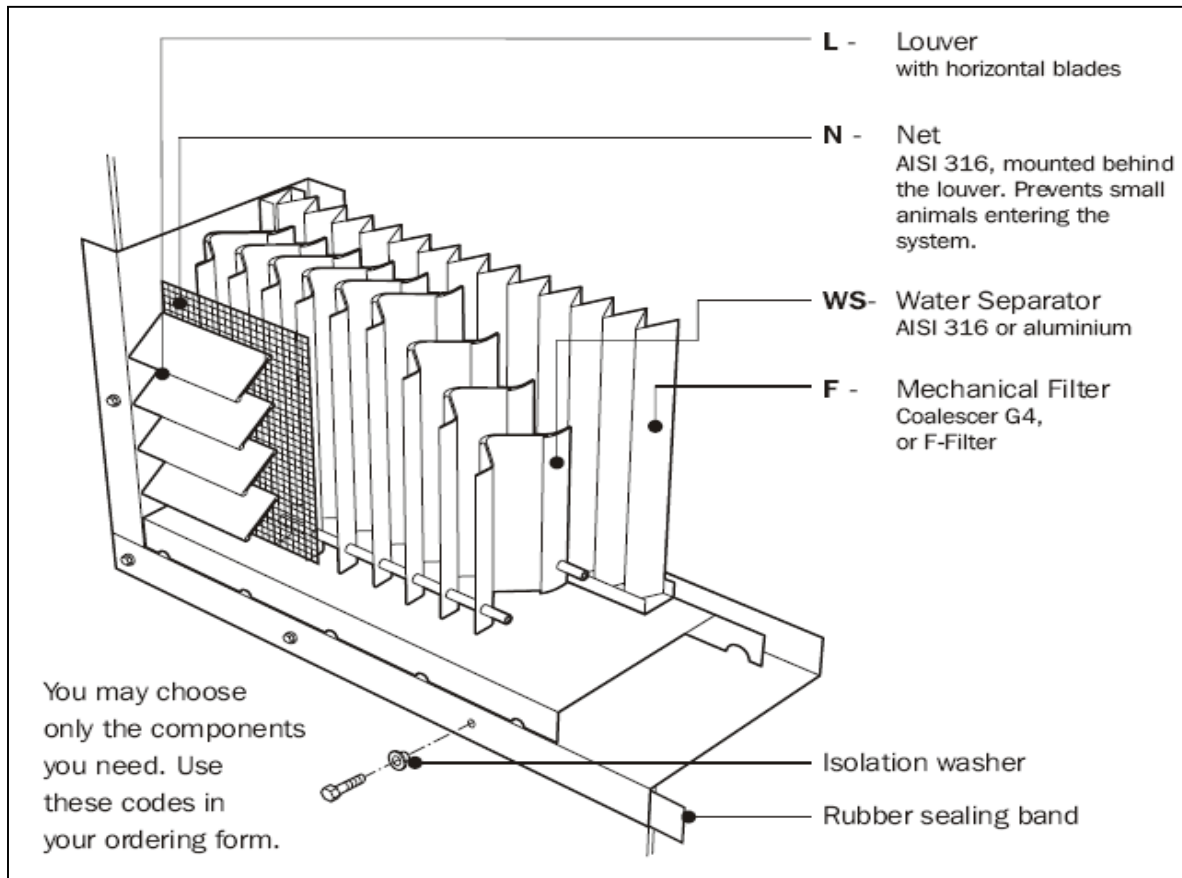
**SINGLE-STAGE WATER SEPARATOR**

Is designed to operate at air velocities up to 10 m/s.  
Normal design velocity is 4-5 m/s.

**TWO-STAGE WATER SEPARATOR**

Is designed to operate at air velocities up to 4 m/s.  
WSN-ML-F is equipped whit filter that eliminates  
Small particles and salt from the intake air

**Demister main parts**



PART	MATERIAL	FINISHING
Water separator	Marine grade aluminium alloy	Painted
Water separator	Stainless steel AISI 316	Painted as an option
Mask Louvre	Marine grade aluminium alloy	Painted
Mask Louvre	Stainless steel AISI 316	Painted as an option
Frame	Marine grade aluminium alloy	Painted
Frame	Stainless steel AISI 316	Painted as an option
Net	AISI 316	-
Filter	TYPE = G3 or G4 or T60	-