

## Water Separators

Water separators are designed for marine applications.

Their high efficiency enables to restrict water and humidity aspiration by the fans located in the engine rooms. Their installation is easy and no specific maintenance is required.

Different models can be proposed: with or without the mask louver, with or without filters .



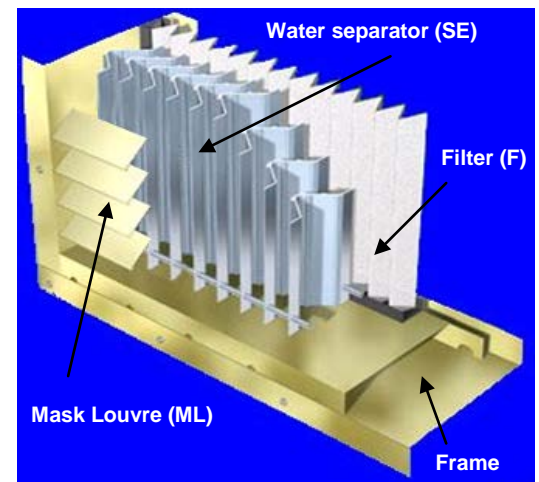
## Description

The separators are made of a frame, a water separator and a net with a mask louver and filter as options.

Available in both of marine grade aluminium with a polyester paint finish (RAL 9010 white, other colors on request) or stainless steel (AISI 316), they can be mounted with an inclination of 45° maximum in relation to the vertical.

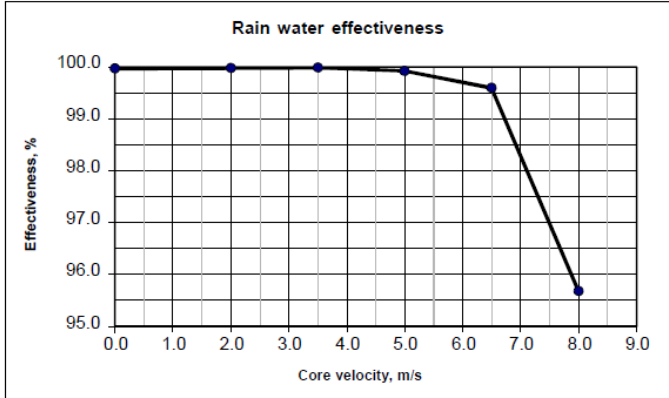
Recommended air speed in water separators is approximately 4 - 5 m/s for SEA range and 4 – 9 m/S for SEAW range. The speed is measured in function of the front surface and air flow in m<sup>3</sup>/s or m<sup>3</sup>/h.

The efficiency is calculated following the EN13030:2001 standards.



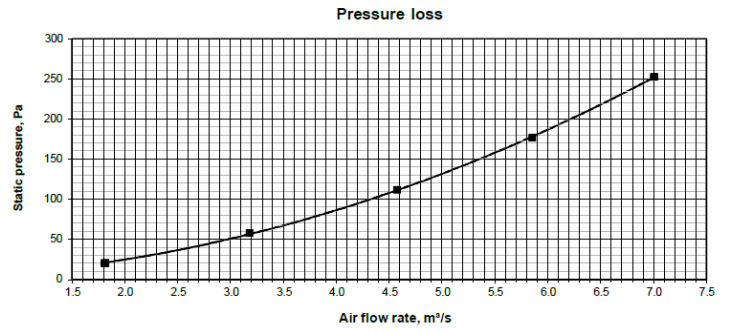
# SEA range

## Efficiency



Efficiency measured for 75mm/h precipitation rate

## Pressure loss



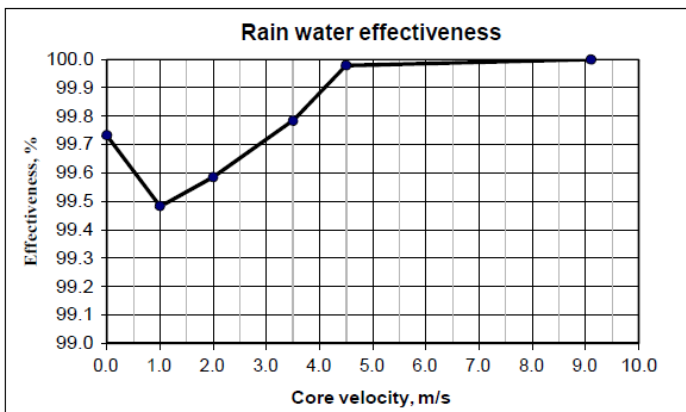
Qv m³/s	v m/s	Ps1 Pa	Performance	
			CE	Class
1.814	2.06	20.9	0.349	2
3.178	3.60	57.6	0.368	2
4.571	5.19	111	0.381	2
5.848	6.63	177	0.387	2
6.999	7.94	252	0.387	2
Average			0.374	

Symbols and units

- Qv Air flow rate, m³/s
- v Core velocity, m/s
- Ps1 Static pressure of device,
- Pa CE Entry loss coefficient, -

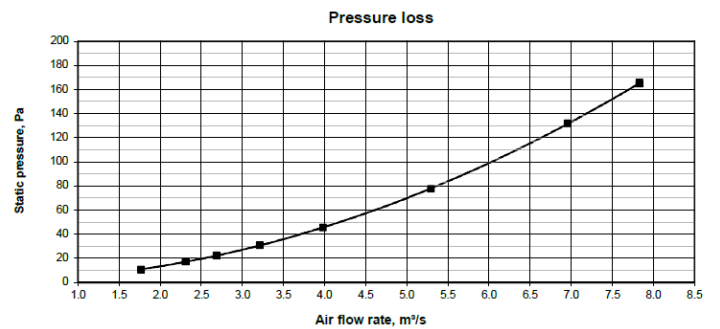
# SEAX range

## Efficiency



Efficiency measured for 75mm/h precipitation rate

## Pressure loss



Qv m³/s	v m/s	Ps1 Pa	Performance	
			CE	Class
1.770	2.01	11.0	0.470	1
2.312	2.62	17.6	0.485	1
2.688	3.05	22.6	0.497	1
3.218	3.65	31.1	0.507	1
3.984	4.52	45.7	0.518	1
5.295	6.01	77.8	0.527	1
6.960	7.89	132	0.532	1
7.829	8.88	185	0.536	1
Average			0.509	

Symbols and units

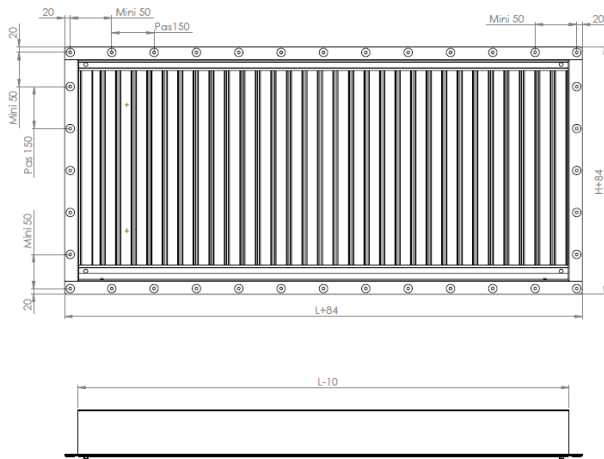
- Qv Air flow rate, m³/s
- v Core velocity, m/s
- Ps1 Static pressure of device,
- Pa CE Entry loss coefficient, -

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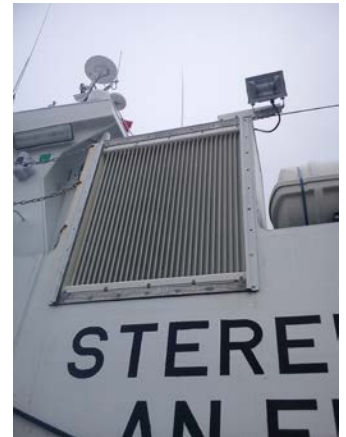
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## Customized range



Nota : Dept 165, 220, 270mm depending on option



## Specific design based on customer requirements



**Separator with integrated sand filter, easily disassembled for cleaning**

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## *Examples of ENAG standard and customized water separators*



*Separators in specific dimensions  
and shapes available*



*Water separator with water proof  
hatch in steel or stainless steel*

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