

### Description

Seaworth Two Stage Separators are designed to eliminate ingress of moisture, rain and sea spray into the intake air of machinery and engine rooms located on off-shore platforms, marine vessels and coastal areas. Two Stage Separators are effective in harsh applications where large water volumes, dust and salt are an issue.

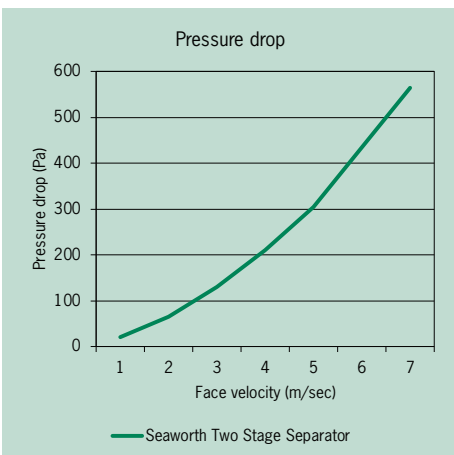
The following configurations are available for the Seaworth Two Stage Separator:

- Separator/Filter – suitable for velocities up to 4.5 m/sec
- Filter/Separator – suitable for velocities up to 6.1 m/sec

### Separator Stage Construction

Robustly constructed from lightweight, marine grade anodized aluminum, the vane separator works by drawing air through a series of specially designed vanes which trap moisture. The trapped moisture then drains vertically down the channels and finally out the front drainage slot or into a manometric drain trap.

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Performance	
Water handling capacity (per metre width)	240 L/min
Maximum face velocity	6.5 m/sec
Efficiency against NGTE 30 knot aerosol (GT2 or PB1 filter)	0.01 ppm
VTT Expert Services tested at 5.0 m/sec	Class A (100%)



## Filter Stage Construction

GT2 filters can be used in either of the configurations available and are designed to reduce airborne salt and dust contaminants.

GT2 filters are manufactured from durable synthetic media sandwiched between welded wire mesh – making them fully washable. To increase the surface area and provide rigidity, the structure is corrugated and retained in a 316 stainless steel channel frame.

The following filters are also appropriate for use in the secondary stage only:

- HE10
- PB1
- HV2
- PB1 and HV2 combined

The use of HV2 or HE10 filters can increase salt efficiency to 0.0013 ppm against NGTE 30 knot aerosol.

## Mounting

Seaworth Two Stage Separators are supplied with predrilled flange, 316 stainless steel countersunk screws, nylon insulators and neoprene flange gaskets.