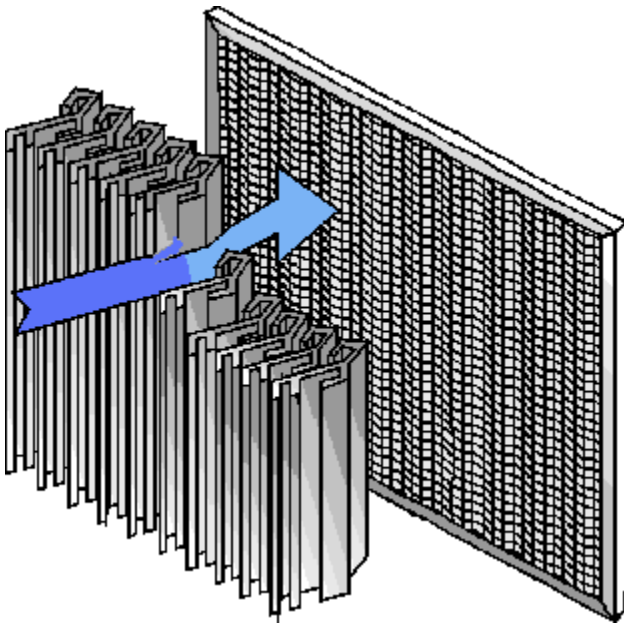
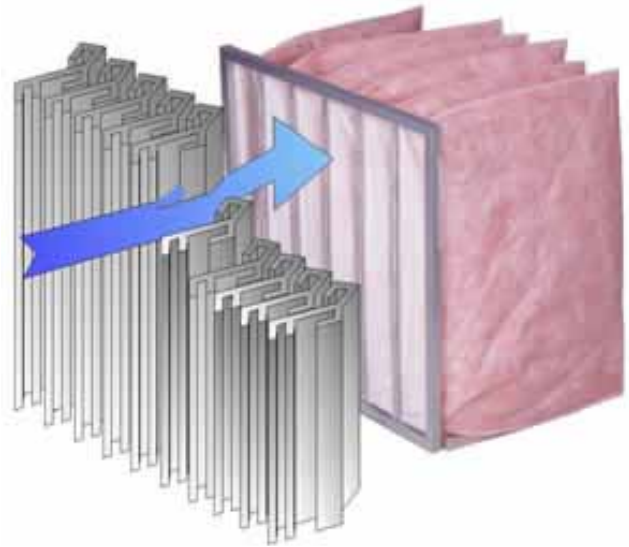


Airefil 2 Stage Building Storm Louvres



A two-stage system with a storm louvre followed by a coalescer provides filtration and effective removal of salt spray at velocities up to 4.5 m/s. The louvre removes all visible spray. The coalescer will remove finer salt particles and allows for heavier dust loading.



A two-stage system with a storm louvre followed by a filter provides protection against water ingress as well as filtration of up to 95% (F8) depending on the filter selection.

A single stage storm louvre removes all visible spray and is ideal for most applications. However, in some cases a higher degree of either dust or salt removal is required. In these applications a variety of filters and coalescers can be fitted as a second stage which enable a high degree of removal to be attained, giving up to 0.0013 ppm of salt to NGTE 30 aerosol standards, or H10 efficiency for dust removal.

The *Airefil* 2 Stage Building Storm Louvre is specifically designed to eliminate the ingress of moisture and fine particles wherever these are a problem. Storm Louvres are used extensively to protect inlets which are in an exposed position or where special care needs to be made to protect sensitive equipment. All buildings which are situated near or around coastlines potentially have a need for these units. They can also be used in other applications where sand or dust is a problem. They are custom built to project requirements and come complete with in-built drains, exit piping and specially designed cleanable manometric traps.

Two configurations are available :-

[1] Vane separator followed by a filter/coalescer for velocities up to 4.5 m/s.

[2] Filter/coalescer followed by a vane system for velocities up to 6 m/s. General louvres or hoods are advisable upstream of this arrangement.

Cleaning:

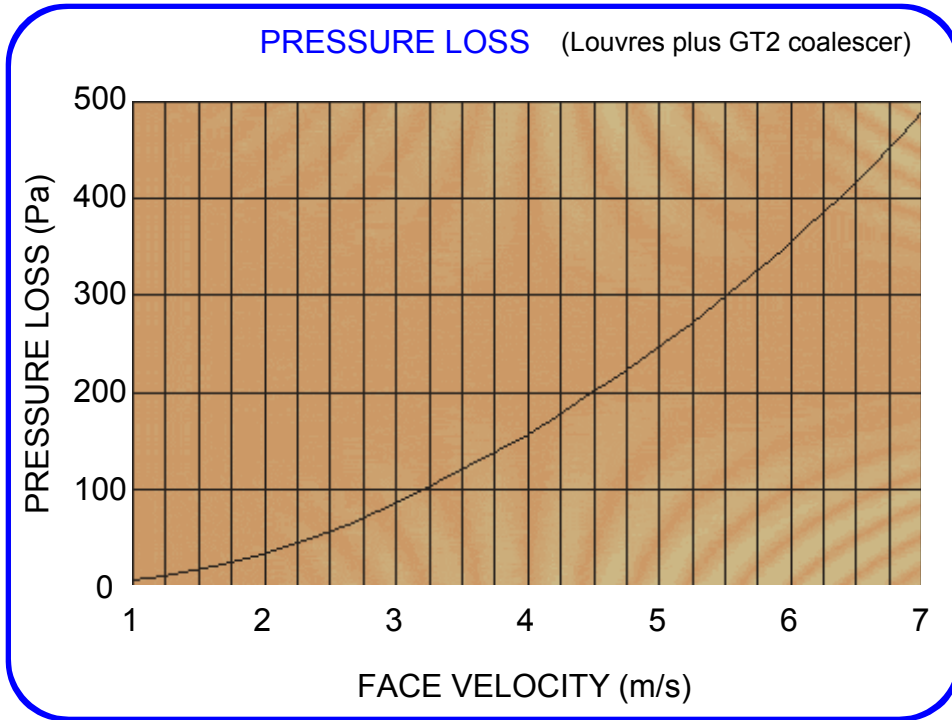
Louvres are generally self-cleaning. In a particularly dusty situation, a high-pressure hose may be used.



Air Care Technology Ltd continuously strives to improve the design and quality of our products, and we reserve the right to change or discontinue any product at our discretion without notice or obligation.

Clean Air Systems and Products

Performance Data



Performance	
Water Handling Capacity	240 litres/min per meter width of vane
Maximum Face Velocity	4.5 meters/sec
Efficiency with GT2 Coalescer	0.01 ppm against NGTE - 30 knot aerosol

This data is a guideline only. For more detailed information please contact Air Care Technology Ltd.

Storm Louvre

Constructed of marine grade anodized aluminium, the storm louvre achieves maximum possible water loading with minimum weight and pressure losses. Air is drawn through a series of specially designed louvres which trap the water. It then runs vertically down to a drainage channel and finally into a specially designed manometric trap.

GT2 Filter Coalescer Panel

Consists of a special polymer media sandwiched between stainless steel welded wire mesh. This structure is corrugated and retained in a stainless steel housing. The GT2 reduces airborne salt particles and dust contaminants down to usual design requirements.

Other Filters

Increased filtration efficiency up to 0.0013 ppm against NGTE 30 knot aerosol is achieved by replacing the GT2 with another filter:

Airefil HE 10 or HE 12 industrial washable barrier filters are available for long life in high dust-load applications.

Airefil S-Series Bag filters are available for high-flow applications.

Airefil salt filters are rigid filters with F8 efficiency which are designed specifically for salt-removal applications.

Sizing Information	Width	Height
Ships Opening	W	H
Over Flanges	W + 80mm	H + 80mm
Open Face Size (Use for pressure loss)	W - 60mm	H - 180mm
Overall Depth (with GT2):		110mm

The 2 stage system can be provided with either a front flange [as shown] or a rear flange. Please contact our engineering department to confirm details.



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Related Products:

- Airefil** S-Series Bag Filters
- Airefil** Building Storm Louvres
- Airefil** 3 Stage Building Storm Louvres
- Airefil** GT2 Filter Coalescer Panel
- Airefil** HE10 & HE12 Industrial Barrier

Data Sheets:

- E54110
- E54117
- E54119
- E54126
- Sheet N/A