

SANDTRAP LOUVER

AEROSYS Sand trap Louvers is designed with weather proof external coating for air inlets and discharge openings, suitable for most external walls and screening applications. They are specially designed to separate the sand and dust from the air. It is effective and necessary to apply for ventilation and inlet ducts of air handling units.



As the assembly comes with complete aluminium extruded profile* / Galvanized steel sheet / Stainless steel unit. It is corrosion resistant and suitable for different weather conditions.

These sand trap louvers are manufactured as per ADC1602 and DW142 class C standards

How to Order?

Item	Family	Model	Specification		Material		Type	Construction
			Frame	Blade Width	Frame	Blade		
STL	LOUVER	STL - A	Rectangular shaped	100* / 150	AL*, GI, SS.	AL*, GI, SS.	Wall Mounted	Medium / Heavy duty
		STL - B	Rectangular shaped	100* / 150	AL*, GI, SS.	AL*, GI, SS.	Duct Mounted	Medium / Heavy duty
		STL - C	Rectangular shaped	100* / 150	AL*, GI, SS.	AL*, GI, SS.	Flush Mounted	Medium / Heavy duty

* - Standard construction.

Standard Construction (AERO - STL-A/B/C) :

- ☐ Frame – 18* gauge (1.2* mm) thick Extruded aluminum profile.
- ☐ Blade – 18* gauge (1.2* mm) thick Extruded aluminum profile.
- ☐ Blade orientation – Vertical.
- ☐ Blade type – “U” shaped 100*/150 mm fixed blade.
- ☐ Screen – G.I Steel to BSEN 10327 - DX51D Z275, 0.4mm Thick.
- ☐ Finish – Mill Finish* Aluminum is standard supply.
- ☐ Min. Size – 4” x 4” (100 x 100 mm).
- ☐ Max. Size – 48” x 48” (1200 x 1200 mm).

Optional Construction (AERO - STL-A/B/C):

- ☐ Frame – Galvanized steel sheet / Stainless steel sheet.
- ☐ Blade – Galvanized steel sheet / Stainless steel sheet.
- ☐ Blade type – “Curved” shaped 100* / 150 mm fixed blade for heavy duty application.
- ☐ Filter – ½” * / 1” (12.5* / 25 mm) Aluminum filter.

Finish – Powder coated as per client request

SANDTRAP LOUVER

- ☐ Mountingframe – Mounting frame angleflange.
- ☐ Damper – Damper Assembly (BD - Balancing Damper / CD - Control Damper).
- ☐ BiggerSizes – More than (60" X 60") 1500 X 1500 mm in multi sections.

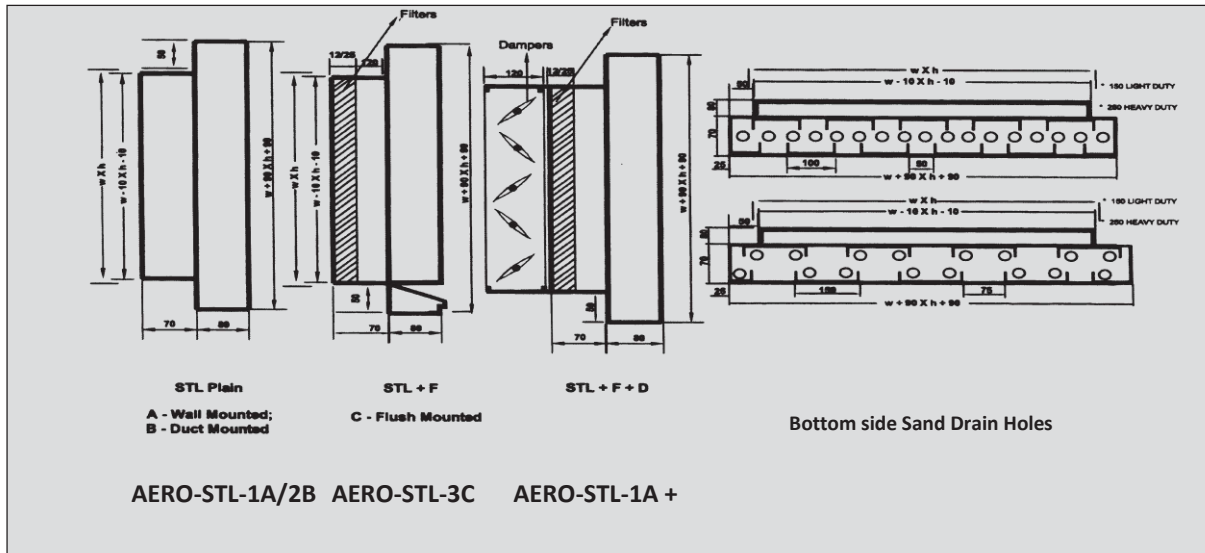
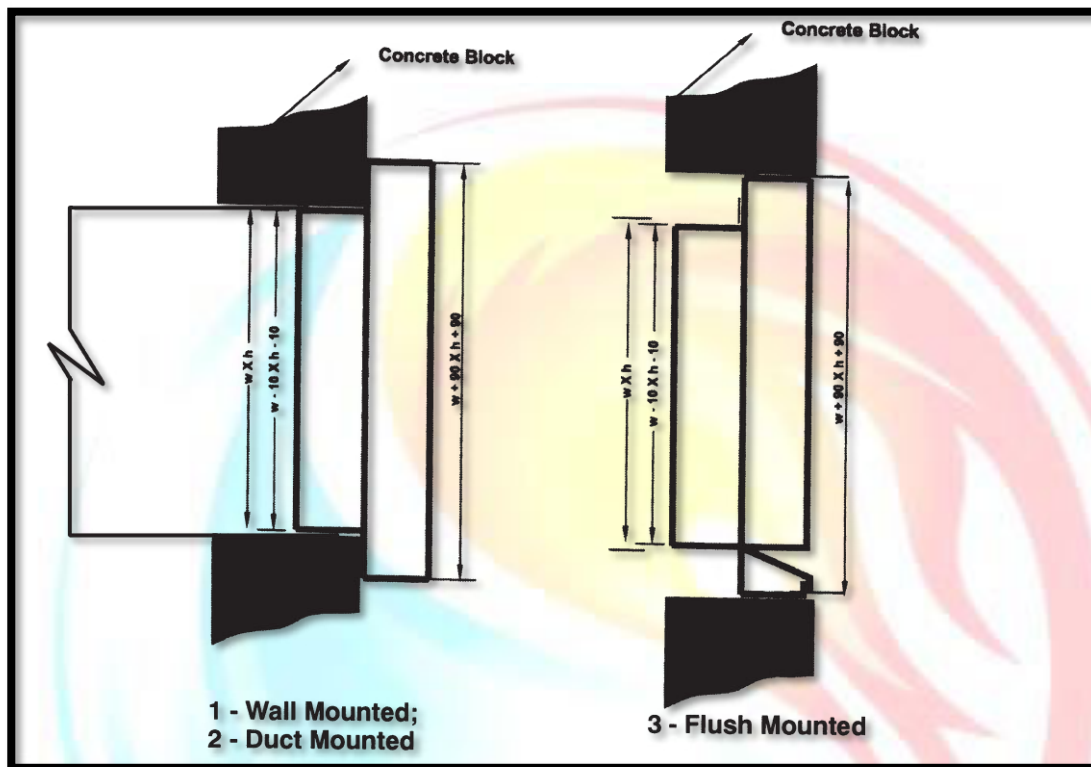


Table for Free Area (A_k):

Free Area (A_k) in Sqm for AERO- STL 1A/2B/3C												
W/H (mm)	150	300	450	600	750	900	1050	1200	1500	1800	2100	2400
150	0.003	0.062	0.013	0.021	0.028	0.035	0.044	0.050	0.066	0.083	0.098	0.105
300	0.007	0.008	0.015	0.023	0.032	0.040	0.047	0.055	0.072	0.087	0.102	0.119
450	0.013	0.015	0.032	0.047	0.064	0.079	0.096	0.111	0.143	0.175	0.207	0.239
600	0.021	0.023	0.047	0.072	0.096	0.119	0.143	0.167	0.215	0.263	0.310	0.359
750	0.028	0.032	0.064	0.096	0.128	0.160	0.191	0.223	0.287	0.351	0.414	0.477
900	0.035	0.040	0.079	0.119	0.160	0.199	0.239	0.278	0.359	0.438	0.518	0.597
1050	0.044	0.047	0.096	0.143	0.191	0.239	0.287	0.334	0.430	0.526	0.622	0.717
1200	0.050	0.055	0.111	0.167	0.223	0.278	0.334	0.391	0.502	0.614	0.726	0.837
1500	0.066	0.072	0.143	0.215	0.287	0.359	0.430	0.502	0.646	0.790	0.933	1.077
1800	0.083	0.087	0.175	0.263	0.351	0.438	0.526	0.614	0.790	0.965	1.141	1.317
2100	0.098	0.102	0.207	0.310	0.414	0.518	0.622	0.726	0.933	1.141	1.349	1.557
2400	0.105	0.119	0.239	0.359	0.477	0.597	0.717	0.837	1.077	1.317	1.557	1.795

SANDTRAP LOUVER

Installation Details:



Note:-

Fixing Details - Standard supply Concealed type Screw
Fixing Recommended for sidewall applications