



STL

>> The sand trap louver is made of aluminum section/ GI sheet. It is composed of two sets of inverted U-channels, mounted vertically on two opposite rows.

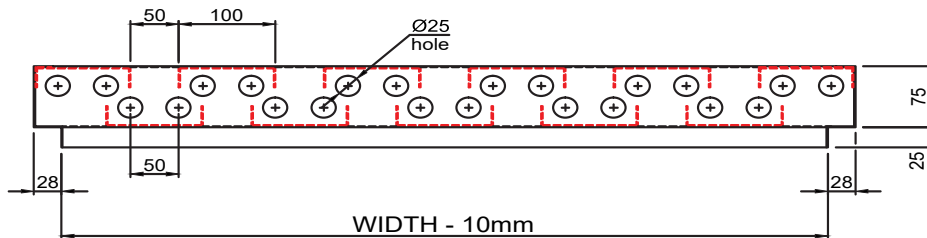
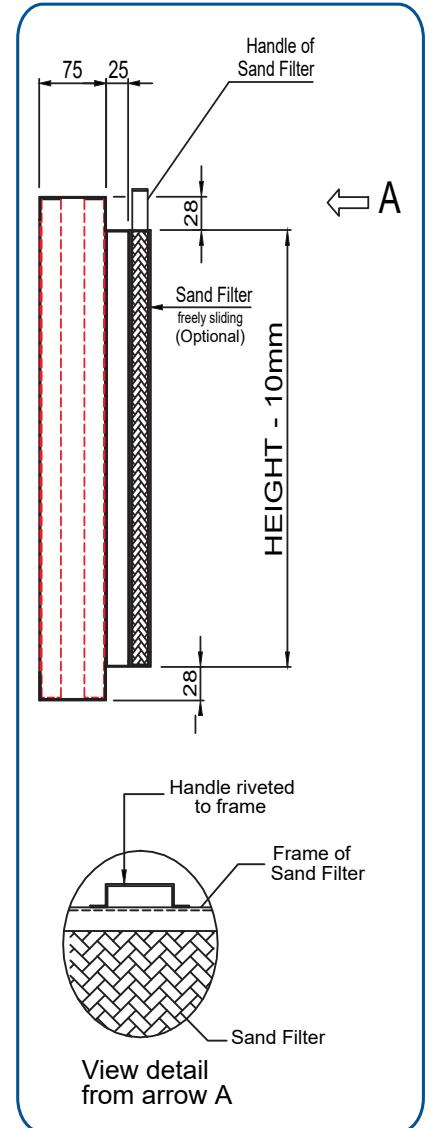
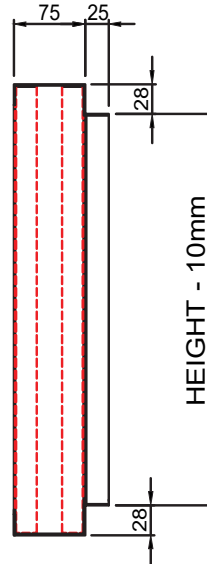
>> The sand trap louver is used at the fresh air inlet. It can lower the dust loading of conventional filtration as it is designed to separate large size sand particles at low to medium speeds. It can be fitted with a bird/insect screen mesh.

>> The sand trap louver is a self emptying system, it has a set of holes at the bottom of the casing to discharge separated sand particles.

>> Tested by AMCA in accordance with ANSI/ AMCA 500-L

SAND TRAP LOUVERS

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SAND TRAP LOUVERS BOTTOM VIEW DETAILS

Ordering Key:

S	T	L A	SSWM	SF	SIZE
STLA: SAND TRAP LOUVER IN ALUMINIUM					
STLG: SAND TRAP LOUVER IN GI					
-: WITHOUT SCREEN/WIRE MESH					
IS: G.I. INSECT SCREEN					
SSWM: STAINLESS STEEL WIRE MESH					
-: WITHOUT FILTER					
SF: WITH SLIDING 1 INCH THICK ALUMINUM FILTER					
SF2: WITH SLIDING 2 INCH THICK ALUMINUM FILTER					
SIZE: WIDTH X HEIGHT					
**NOTE: 78 INCH X 78 INCH (OUT TO OUT) IS MAXIMUM SINGLE SECTION SIZE					





Beta Industrial LLC certifies that the STL shown hereon is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA Certified Ratings Seal applies to Air Performance and Wind Driven Sand.

Test Information

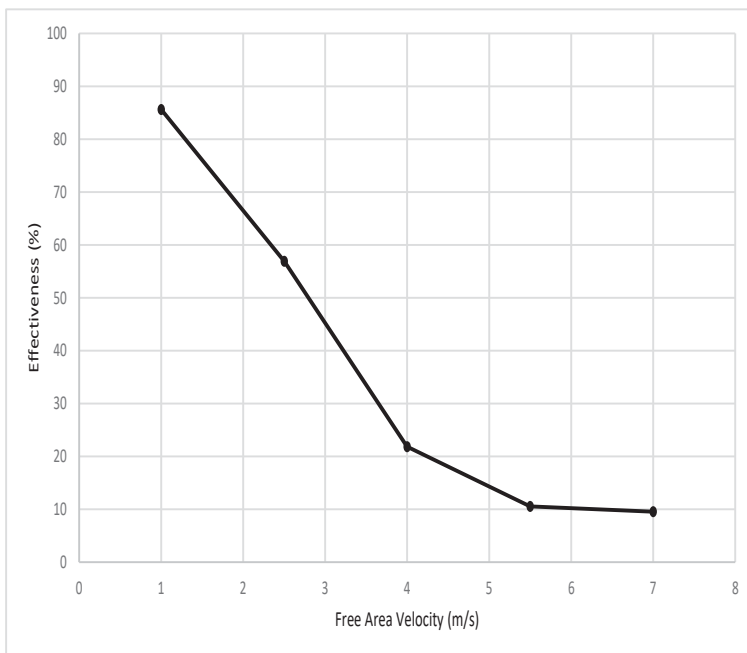
Tested in accordance with ANSI/AMCA 500-L, Figure 5.5 Test sample size is 1219mm x 1219mm (48 in. x 48 in.) Air Performance data are based on exhaust performance

The sand grading used for the test is between 76µm - 699µm as per AMCA 500-L.

FREE AREA CHART (SQUARE FEET)

Height (inches)	Width (inches)														Free Area velocity, m/s	Sand Rejection Louver Effectiveness (%)	Penetration Class
		Out to Out	12	18	24	30	36	42	48	54	60	66	72	78			
	Out to Out	Neck Size	9.8	15.8	21.8	27.8	33.8	39.8	45.8	51.8	57.8	63.8	69.8	75.8			
	12	9.8	0.17	0.31	0.45	0.59	0.73	0.88	1.02	1.16	1.30	1.44	1.58	1.72			
	18	15.8	0.28	0.51	0.73	0.96	1.18	1.41	1.64	1.86	2.09	2.32	2.54	2.77			
	24	21.8	0.39	0.70	1.01	1.32	1.64	1.95	2.26	2.57	2.88	3.20	3.51	3.82			
	30	27.8	0.48	0.89	1.29	1.69	2.09	2.48	2.88	3.28	3.68	4.08	4.47	4.87			
	36	33.8	0.60	1.06	1.57	2.05	2.54	3.02	3.50	3.99	4.47	4.96	5.44	5.92			
	42	39.8	0.71	1.28	1.85	2.42	2.99	3.56	4.13	4.70	5.27	5.84	6.41	6.98			
	48	45.8	0.81	1.47	2.12	2.78	3.44	4.09	4.75	5.40	6.06	6.72	7.37	8.03			
	54	51.8	0.92	1.66	2.40	3.14	3.89	4.63	5.37	6.11	6.85	7.60	8.34	9.08			
	60	57.8	1.02	1.85	2.68	3.51	4.34	5.16	5.99	6.82	7.65	8.48	9.30	10.13			
	66	63.8	1.13	2.04	2.96	3.87	4.79	5.70	6.61	7.53	8.44	9.36	10.27	11.18			
72	69.8	1.24	2.24	3.24	4.24	5.24	6.24	7.24	8.27	9.24	10.24	11.24	12.24				
78	75.8	1.34	2.43	3.51	4.60	5.69	6.77	7.86	8.94	10.03	12.12	12.20	13.29				

SAND REJECTION EFFECTIVENESS DATA



PRESSURE DROP DATA

