



*Air Outlets*

# **SAND TRAP LOUVER STL**



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Me



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# SAND TRAP LOUVER STL



## TYPES

- STL : Sand Trap Louver with wire mesh.
- STLF : Sand Trap Louver with sliding aluminium filter ( Detachable and Cleanable ) optional .
- STLD: Sand Trap Louver with volume control damper optional.

## FEATURES

### MATERIALS

- The frame & blades are made from formed mill finish aluminium sheet .

### FINISH

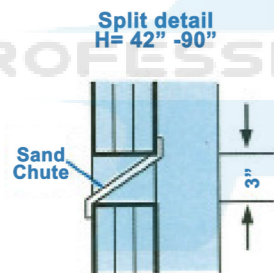
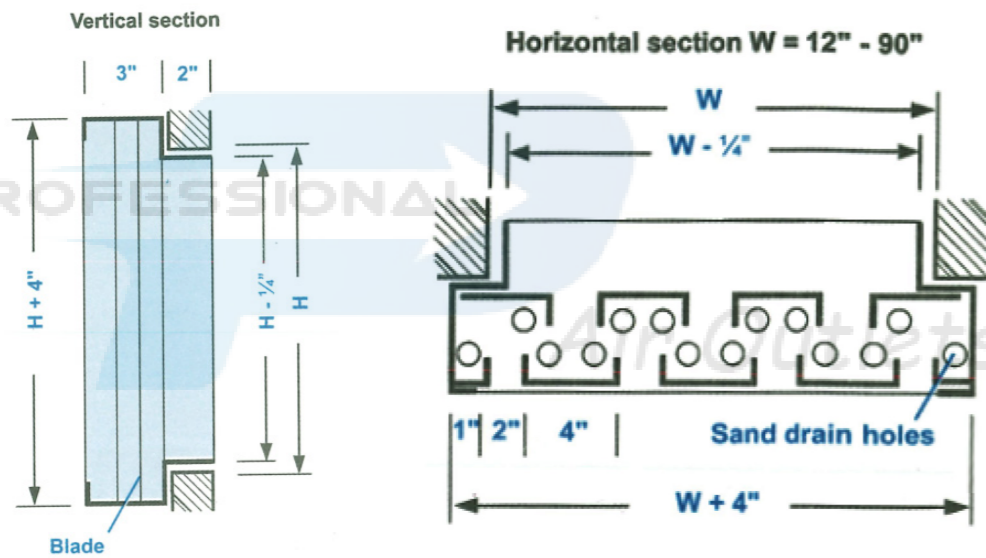
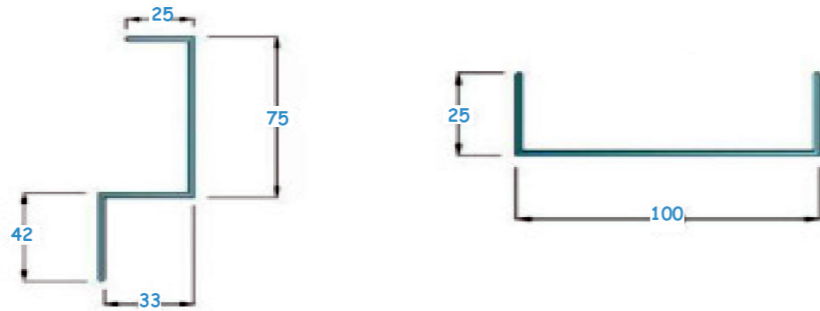
- Standard finish anodized aluminium or powder coated.

- The sand trap louver is used as pre-filter to protect air conditioning equipment from sand and large dust particles and high industrial pollution areas thus, avoid excessive dust loading on basic filters .
- The vertically arranged sections and holes for sand drainage ensure the sand trap louver is self-cleaning and maintenance-free .
- It is not intended as a substitute for basic supply air filtration equipment.
- Available installation galvanized bird screen.



## DIMENSIONAL DATA

### FRAME & BLADE

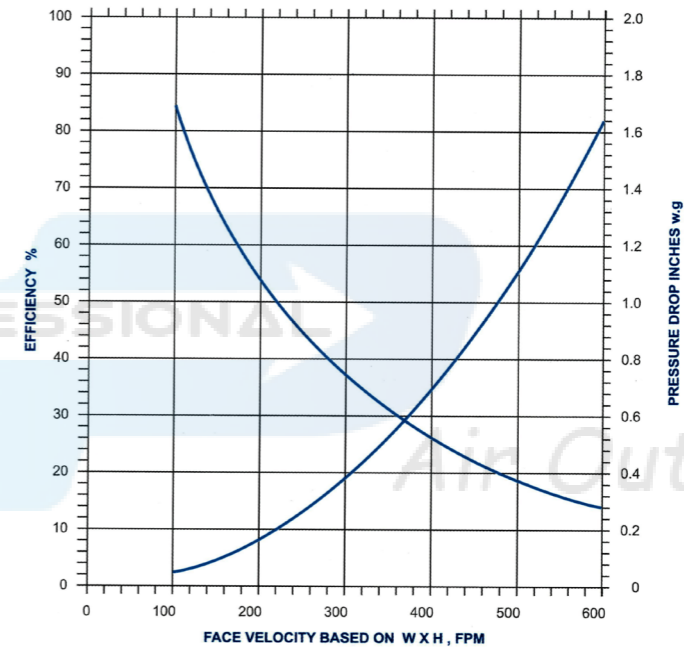


- All combinations of W and H dimensions can be supplied.
- Non-standard sizes are also available.
- For height more than 1950mm, sand trap will be provided with additional sand chute.

## PERFORMANCE DATA

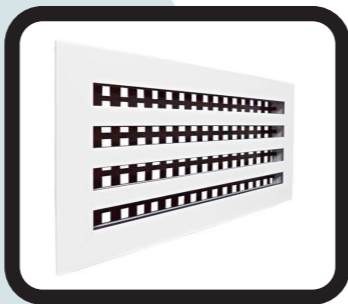
### Effective Pressure Area FT<sup>2</sup>

STL FACE HEIGHT (inch)	STL FACE WIDTH (inch)																				
	8	10	12	16	20	24	30	36	42	48	54	60	66	72	80	84	90	96	100	112	118
8	0.09	0.09	0.10	0.11	0.24	0.26	0.34	0.42	0.50	0.58	0.66	0.73	0.82	0.89	0.98	1.04	1.13	1.21	1.21	1.37	1.44
10	0.11	0.11	0.14	0.14	0.31	0.36	0.46	0.57	0.68	0.79	0.89	1.00	1.11	1.22	1.33	1.43	1.53	1.64	1.65	1.86	1.97
12	0.14	0.14	0.17	0.17	0.40	0.44	0.58	0.72	0.85	0.99	1.13	1.26	1.40	1.54	1.69	1.81	1.94	2.08	2.08	2.36	2.49
16	0.19	0.19	0.24	0.25	0.56	0.62	0.82	1.01	1.21	1.40	1.59	1.79	1.98	2.17	2.40	2.56	2.76	2.95	2.96	3.35	3.53
20	0.25	0.25	0.31	0.32	0.72	0.82	1.07	1.31	1.56	1.82	2.07	2.31	2.57	2.82	3.11	3.32	3.57	3.82	3.83	4.33	4.59
24	0.30	0.30	0.38	0.39	0.89	1.00	1.30	1.61	1.93	2.23	2.54	2.85	3.15	3.47	3.83	4.08	4.38	4.69	4.70	5.32	5.63
30	0.38	0.38	0.48	0.50	1.13	1.27	1.67	2.07	2.45	2.85	3.24	3.64	4.04	4.42	4.90	5.21	5.61	6.01	6.02	6.80	7.20
36	0.46	0.46	0.59	0.60	1.38	1.55	2.03	2.51	2.99	3.47	3.95	4.43	4.91	5.39	5.96	6.35	6.82	7.31	7.32	8.29	8.76
42	0.55	0.55	0.70	0.71	1.63	1.83	2.39	2.96	3.53	4.09	4.66	5.22	5.79	6.36	7.03	7.48	8.05	8.62	8.63	9.76	10.33
48	0.62	0.62	0.80	0.82	1.87	2.10	2.76	3.41	4.06	4.71	5.36	6.02	6.67	7.32	8.09	8.62	9.28	9.92	9.95	11.25	11.90
54	0.71	0.71	0.90	0.93	2.12	2.38	3.12	3.85	4.60	5.33	6.07	6.81	7.55	8.29	9.16	9.76	10.49	11.24	11.26	12.73	13.47
60	0.80	0.80	1.01	1.03	2.37	2.66	3.48	4.31	5.12	5.95	6.78	7.60	8.43	9.25	10.23	10.89	11.72	12.54	12.57	14.22	15.04
66	0.87	0.87	1.11	1.14	2.62	2.94	3.84	4.76	5.66	6.58	7.48	8.40	9.30	10.21	11.29	12.03	12.94	13.85	13.87	15.69	16.61
72	0.96	0.96	1.22	1.25	2.85	3.21	4.21	5.20	6.20	7.19	8.19	9.18	10.18	11.17	12.36	13.16	14.17	15.16	15.19	17.18	18.18
80	1.07	1.07	1.36	1.39	3.19	3.57	4.69	5.80	6.91	8.02	9.13	10.24	11.35	12.46	13.78	14.68	15.79	16.90	16.93	19.16	20.27
84	1.12	1.12	1.43	1.46	3.35	3.77	4.93	6.09	7.27	8.43	9.60	10.76	11.94	13.10	14.49	15.44	16.61	17.77	17.81	20.15	21.31
90	1.21	1.21	1.53	1.57	3.60	4.04	5.30	6.54	7.80	9.05	10.31	11.56	12.81	14.07	15.55	16.58	17.83	19.08	19.12	21.62	22.88
96	1.28	1.28	1.64	1.68	3.84	4.32	5.65	7.00	8.33	9.68	11.01	12.36	13.69	15.04	16.62	17.71	19.05	20.39	20.43	23.11	24.44
100	1.33	1.33	1.71	1.74	4.00	4.50	5.90	7.30	8.69	10.09	11.49	12.88	14.27	15.67	17.33	18.47	19.87	21.26	21.30	24.10	25.50
112	1.51	1.51	1.92	1.96	4.50	5.05	6.62	8.19	9.76	11.32	12.90	14.47	16.04	17.60	19.46	20.74	22.31	23.87	23.93	27.06	28.63
118	1.58	1.58	2.02	2.07	4.75	5.33	6.99	8.64	10.29	11.95	13.61	15.26	16.91	18.57	20.53	21.87	23.53	25.19	25.24	28.55	30.20





**Linear Slot Diffusers LSD**



**Linear Bar Grilles LBG**



**External Louvers EX-L**



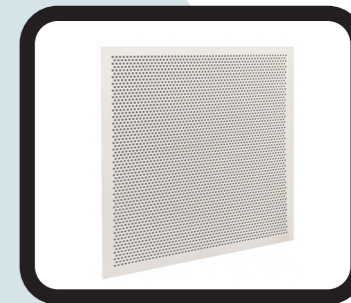
**Square Ceiling Diffusers SCD**



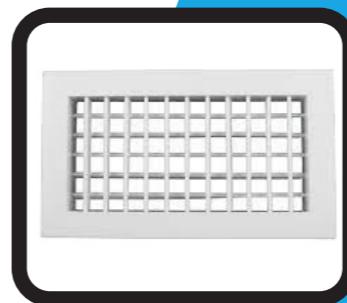
**Jet Nozzles JN**



**Perforated Ceiling Diffusers PCD**



**Grilles And Registers SR**



**Swirl Diffusers SW-D**

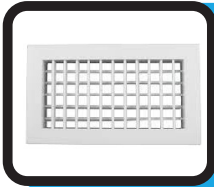


**Volume Control Dampers VCD**

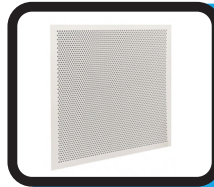


**Curtain Fire Dampers FD-C**





**GRILLES AND REGISTERS**



**PERFORATED CEILING  
DIFFUSERS**



**SQUARE & RECTANGULAR  
& Circular CEILING  
DIFFUSERS**



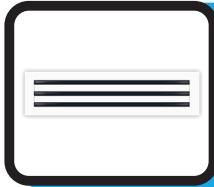
**GRAVITY SHUTTERS**



**LINEAR BAR  
GRILLES&REGISTERS**



**TRANSFER GRILLES**



**Linear Slot  
Diffusers**



**DISC VALVES**



**EXTERNAL LOUVERS**



**SWIRL DIFFUSERS**



**SAND TRAP LOUVERS**



**VOLUME CONTROL  
DAMPERS**



**JET NOZZLES**



**CURTAIN FIRE  
DAMPERS**



**JET DIFFUSERS**



**SMOKE MOTORIZED  
DAMPERS**

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