

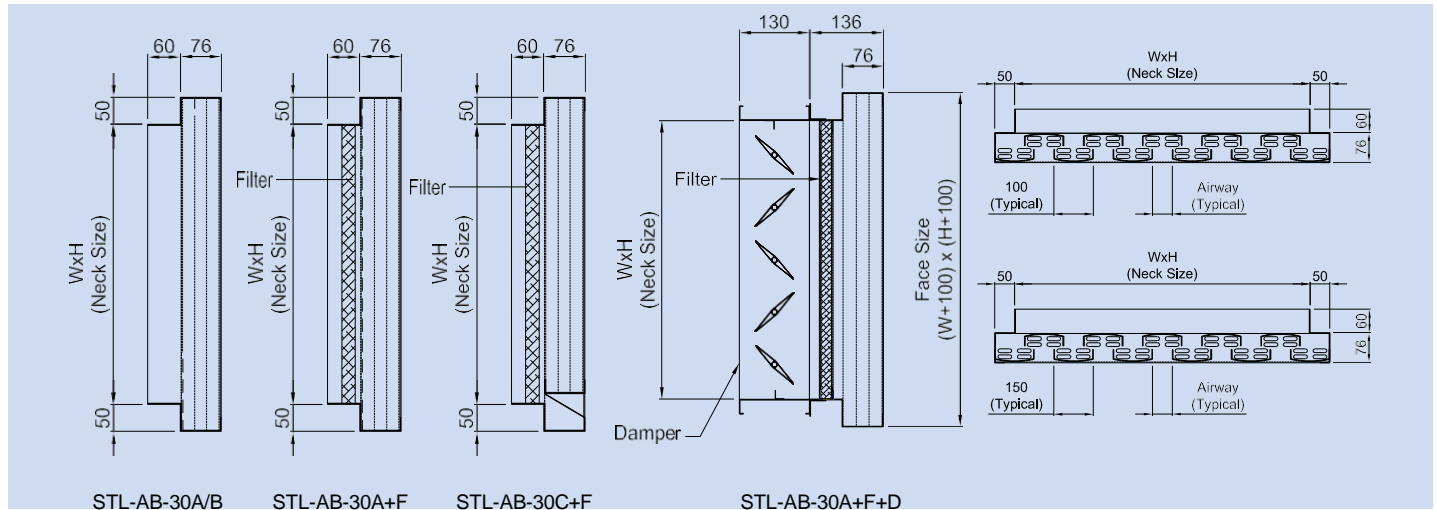
Sand Trap Louver

B-30 Series

For Light / Medium duty applications

Model: STL-AB-31A; Blade Width: 1 – 100* mm; 2 – 150 mm

Type : A - Wall Mounted; B - Duct Mounted; C - Flush Mounted



Standard Construction

Frame

1.2 mm thick extruded aluminum profile.

Blade

0.9 mm thick roll formed aluminum curved profile.

Blade Orientation

Vertical.

Blade Type

Curved type 100 mm.

Screen

Galvanized Steel 0.4 mm thickness.

Finish

Mill finish.

Optional Fittings

Blade

Curved type 150 mm.

Screen

S-3 SS Bird Screen

S-10 SS Fly Screen

Filter

13 / 25 mm thickness aluminum media filter.

Damper

Control Damper.

Mounting Angles

Mounting frame and angle flange.

Finish

Available with RAL powder coating, please specify color.

B-30 Series Model Details

Model	Frame		Blade	
	Material	Thickness	Material	Thickness
STL-AB-31/32A/B/C	AL	1.2 mm	AL	0.9 mm
STL-GB-31/32A/B/C	GI	1.2 mm	GI	0.9 mm
STL-SB-31/32A/B/C	SS	1.2 mm	SS	0.9 mm

Alphabet indicates the type of installation

A - Wall Mounted

B - Duct Mounted

C - Flush Mounted

Optional Construction Details

Frame : Thickness up to 4 mm

Blade : Thickness up to 4 mm

Any Combination of W x H

STL-AB-31/32														
Win Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
Hin Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"

Note:

Maximum single module construction - 3 x 1.5 meters

Multiple module available with mullion.

Applications :

- Sand Trap Louvers B-31 Light duty and B-32 Medium duty model construction, are suitable for the duct or wall mounting applications in HVAC systems, where excessive intake air filtration is required for ventilation purpose.

- Sand Trap Louvers fitted with filters and dampers are suitable for the AHU's applications for fresh air intake.

Note : Please contact **BETEC CAD.** for customized design and specification.

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



Sand Trap Louver - STL

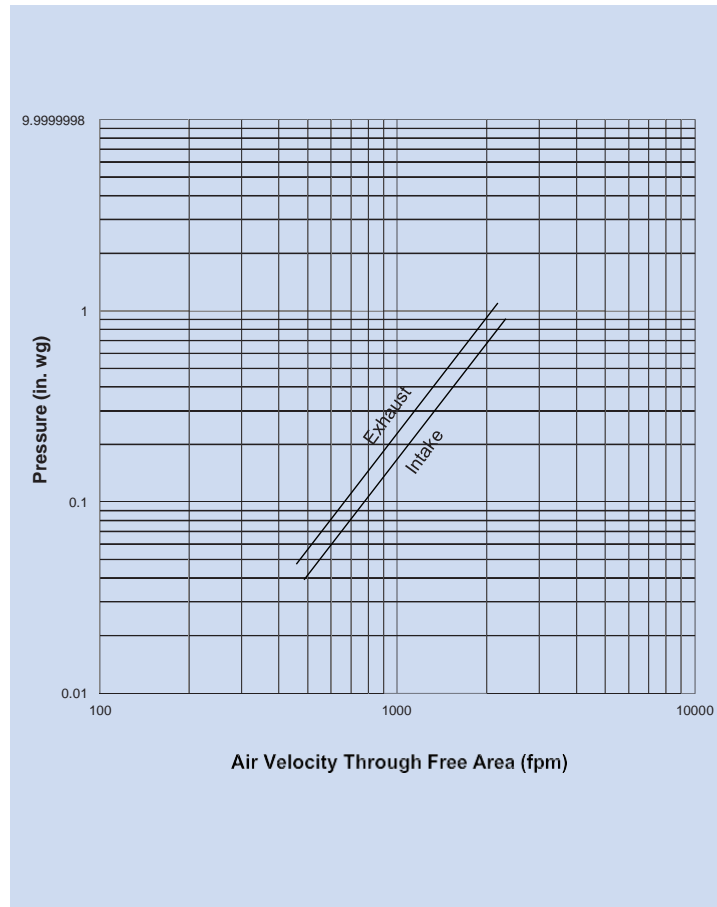
B-30 Series

Engineering and Performance Data

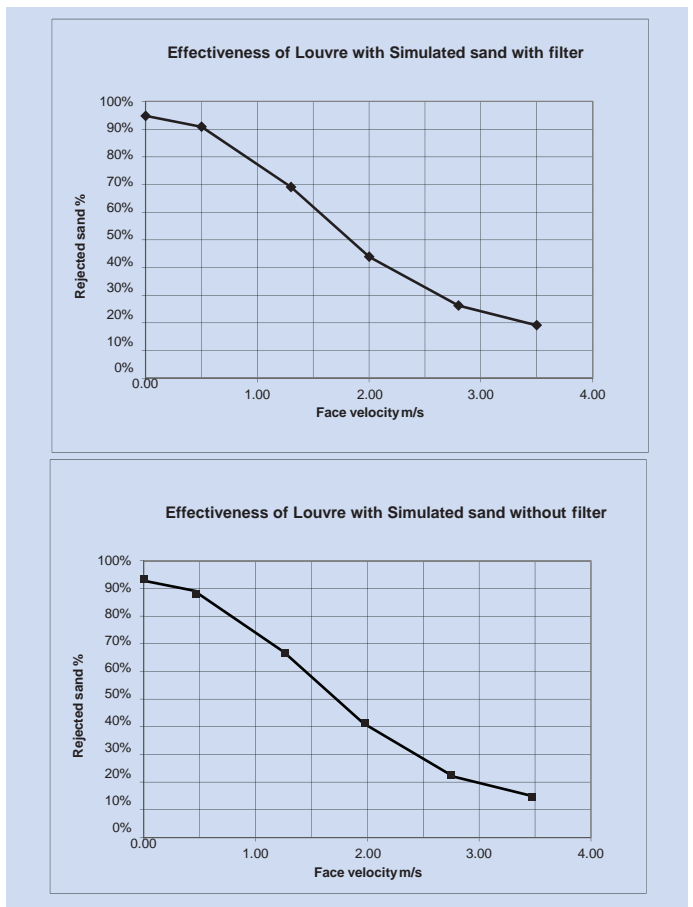
Selection table for **Model : STL-AB-30**

Free area Ak in mt ² For Model : STL-AB-30									
W X H	300	450	600	750	900	1050	1200	1350	1500
300	0.045	0.068	0.090	0.113	0.135	0.158	0.176	0.198	0.221
450	0.068	0.101	0.135	0.169	0.203	0.236	0.265	0.298	0.331
600	0.090	0.135	0.180	0.225	0.270	0.315	0.353	0.397	0.441
750	0.113	0.169	0.225	0.281	0.338	0.394	0.441	0.496	0.551
900	0.135	0.203	0.270	0.338	0.405	0.473	0.529	0.595	0.662
1050	0.158	0.236	0.315	0.394	0.473	0.551	0.617	0.695	0.772
1200	0.176	0.265	0.353	0.441	0.529	0.617	0.706	0.794	0.882
1350	0.198	0.298	0.397	0.496	0.595	0.695	0.794	0.893	0.992
1500	0.221	0.331	0.441	0.551	0.662	0.772	0.882	0.992	1.103

Model : STL-AB-30 Pressure Drop V/S Face Velocity Graph.



Model : STL-AB-30 Sand Rejection V/S Face Velocity Graph.

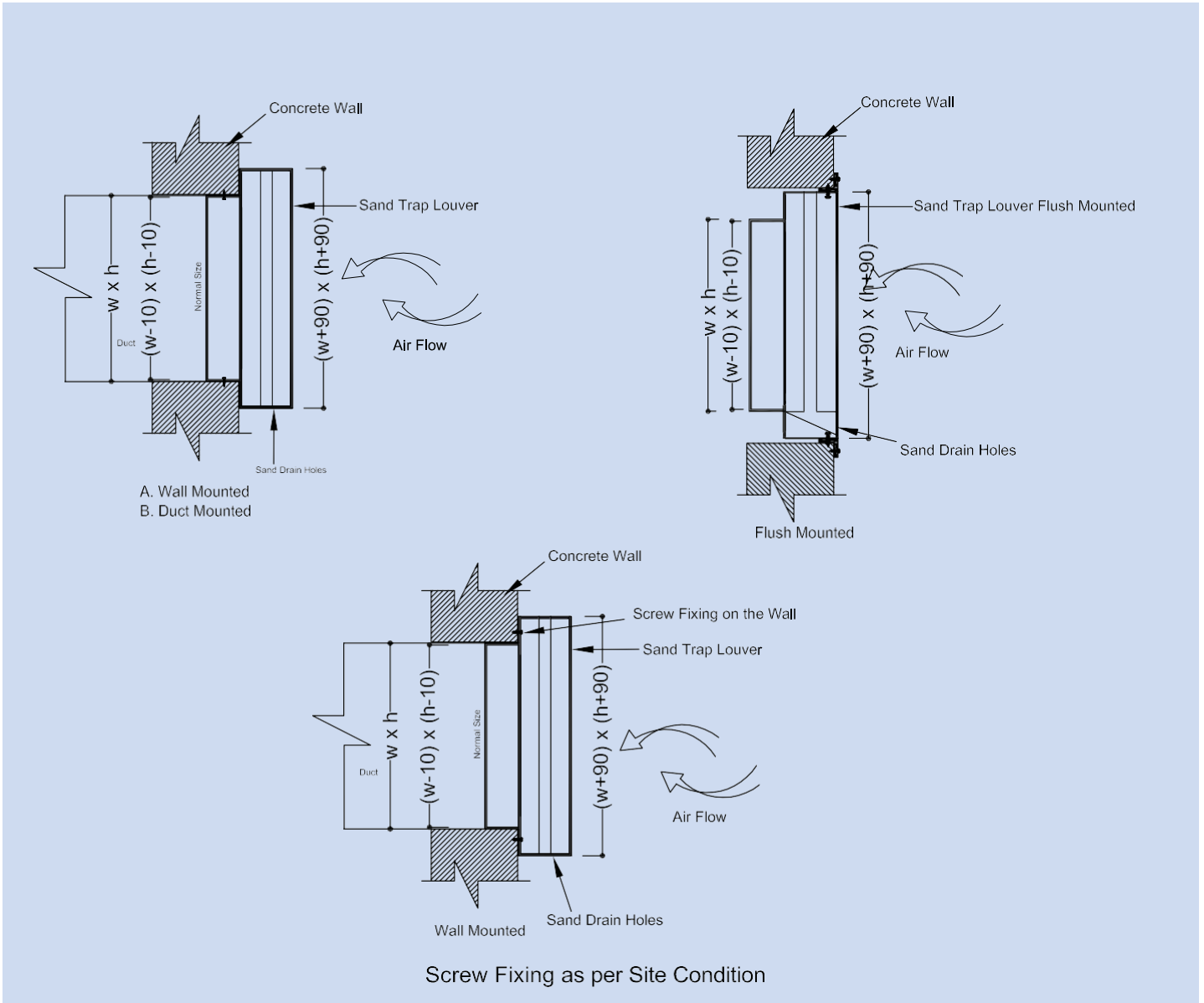


Sand Rejection Efficiency Model : STL-AB-30						
Description	STL		STL + F1		STL+F1+D+F2+F3	
Face Velocity	0.5 mt/s	1.0 mt/s	0.5 mt/s	1.0 mt/s	0.5 mt/s	1.0 mt/s
Partical Size	150-700	150-700	75-150	75-150	75-150	75-150
% Efficiency	89%	75%	92%	78%	98%	96%

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Installation Details



Note :

Fixing Details - Standard supply type screw fixing
Recommended for side wall applications.

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