

BC 08



BETEC CAD.

Sand Trap Louvers



STL-AB-11A

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



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Sand Trap Louver - STL

BETEC CAD. manufactures Sand Trap Louvers for fresh air intake in HVAC systems, which are designed to separate sand and dust particles at low and medium air velocities thus avoiding excessive dust loading on conventional secondary stage filters. They give excellent performance for air filtration and moderate pressure drops at low air velocities.

Drainage holes at the bottom of Sand Trap Louver makes it self cleaning and maintenance free.



Standard Types and Models						
Item	Series	Blade Width	Model	Material	Options	Blade
STL	B-10	11-100*	A-Exposed	A**, G ,S	Plain**	Square
		12-130	B-Duct Mounted		Filter	
			C-Flushed		Filter+Damper	
	B-20	21-100	A-Exposed	A**, G ,S	Plain**	Square
		22-130*	B-Duct Mounted		Filter	
			C-Flushed		Filter+Damper	
	B-30	31-100*	A-Exposed	A**, G ,S	Plain**	Curved
		32-150	B-Duct Mounted		Filter	
			C-Flushed		Filter+Damper	
	B-40 Heavy Duty	41-100*	A-Exposed	A**, G ,S	Plain**	Square
		42-130	B-Duct Mounted		Filter	
			C-Flushed		Filter+Damper	

Material Details

• All types and models of Sand Trap Louvers are available in Galvanized Steel, Stainless Steel & Aluminium according to the design and application.

Sheet Metal Galvanized Steel (GI)

Zinc coating Z-22 to Z-27 as per **ASTM-A653** Standards.

Sheet Metal Aluminium (AL)

Aluminium Sheet as per Alloy **A1100** Standards.
Extruded aluminium as per Alloy **6063T6** Standards.

Sheet Metal Stainless Steel (SS)

Stainless steel **304 / 316L**.

Applications:

GI Construction : For **HVAC** commercial, Residential etc.

AL Construction : For Hospitals, Labs, Green Building etc.

SS Construction : For Offshore, Oil & Gas etc.

The respective alphabet indicates the type of material

G - Galvanized steel (**GI**)

S - Stainless steel (**SS**)

A - Aluminum (**AL**)

Alphabet indicates the type of installation.

A - Wall Mounted.

B - Duct Mounted.

C - Flush Mounted.

Note:

* Indicates **BETEC CAD's** Models tested by AMCA

** Indicates **BETEC CAD's** Standard Construction

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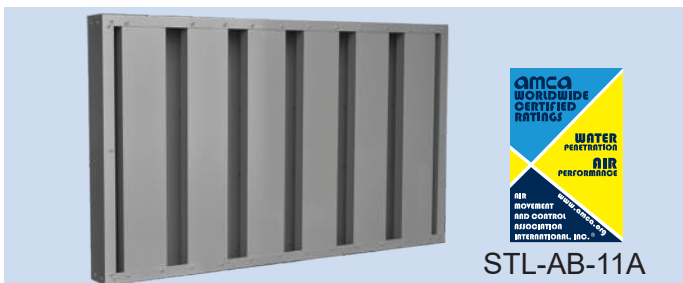
Sand Trap Louvers

BETEC CAD. Manufactures variety of models.

B-10 Series

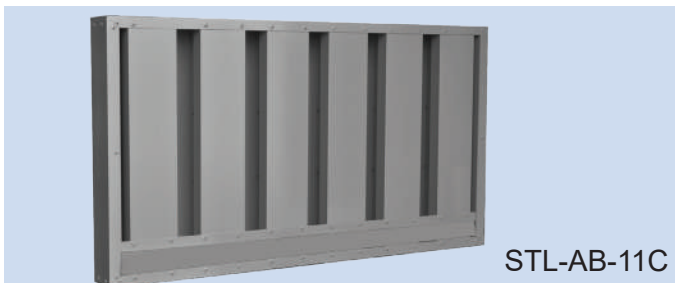
1. STL-AB-11A (AMCA500-L Tested) /12 A/B

Exposed type with square blade



2. STL-AB-11C

Flushed type with square blade



B-20 Series

1. STL-AB-21/22 A/B

Exposed type with square blade



2. STL-AB-22C (AMCA500-L Tested)

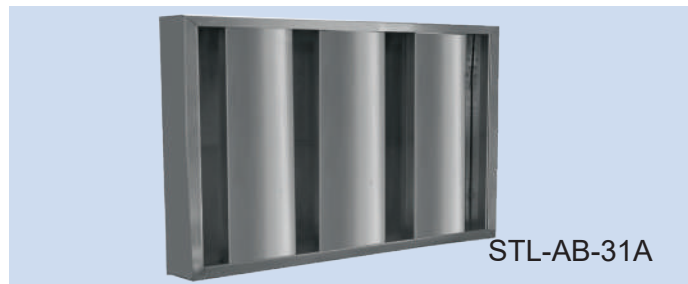
Flushed type with square blade



B-30 Series

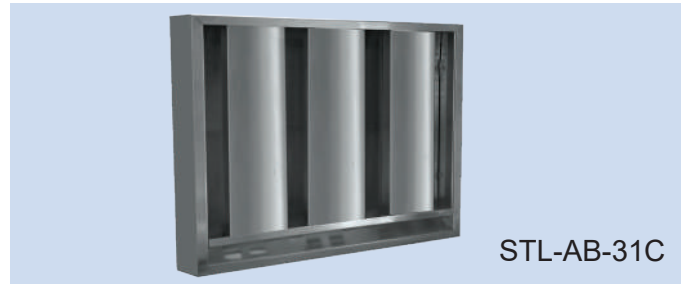
1. STL-AB-31/32 A/B

Exposed type with curved blade



2. STL-AB-31/32 C

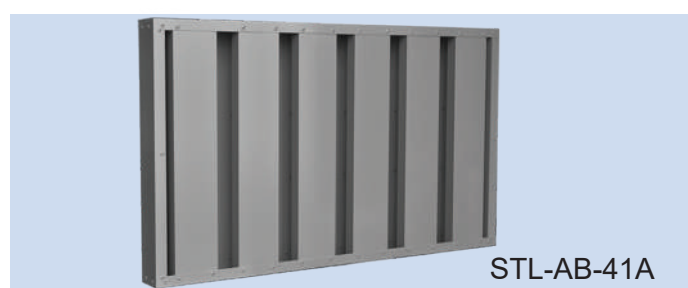
Flushed type with curved blade



B-40 Series

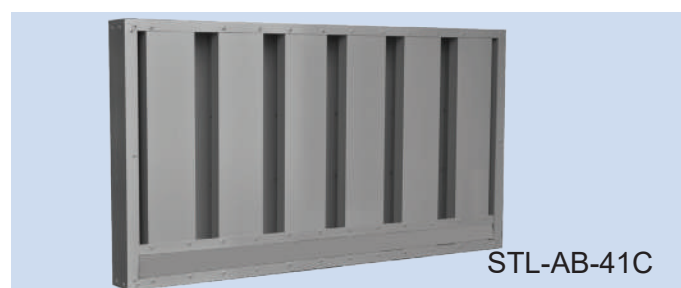
1. STL-AB-41/42 A/B

Exposed type with square blade



2. STL-AB-41/42 C

Flushed type with square blade



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AMCA500 - L Tested Sand Trap Louver

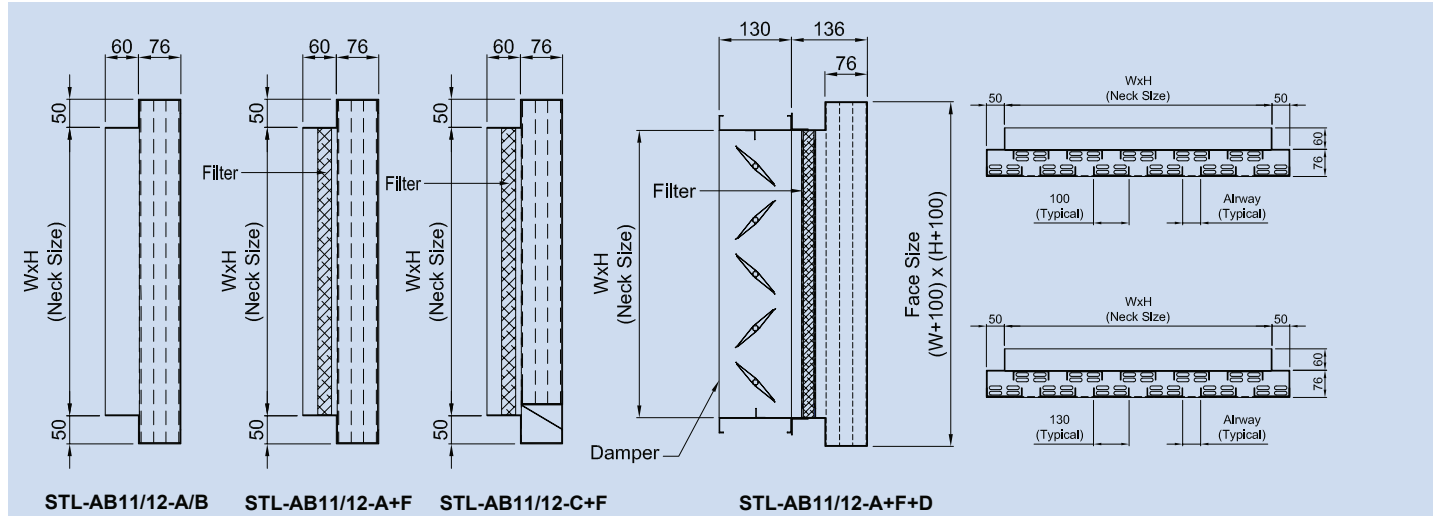
For Light / Medium duty applications

Model: STL-AB-11A* (AMCA 500-L); Blade Width: 1 – 100 mm; 2 – 130 mm**

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

B-10 Series

"BETEC CAD. certifies that the STL-AB-11A shown herein 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 Program. Applies to water penetration and air performance."



Standard Construction

Frame

1.2 mm thick extruded aluminum profile.

Blade

1.2 mm thick extruded aluminum profile.

Blade Orientation

Vertical.

Blade Type

U Shaped 100 mm.

Screen

Galvanized Steel Bird Screen.

Finish

Mill finish/

Standard Powder Coating finish as per RAL Colour Codes.

Optional Fittings

Blade

U Shaped 130 mm.

Screen

Stainless Steel / Aluminum Bird Screen

Stainless Steel Insect/fly Screen

Filter

13 / 25 / 50 mm thickness aluminum media filter/ G4(MERV8).

Damper

Control Damper

Mounting Angles

Mounting frame and angle flange.

Finish

Custom based optional coatings / finish are also available on request.

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

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B-10 Series Model Details				
Model	Frame		Blade	
	Material	Thickness	Material	Thickness
STL-AB-11/12A/B/C	AL	1.2** mm	AL	1.2** mm
STL-GB-11/12A/B/C	GI	1.2 mm	GI	0.9 mm
STL-SB-11/12A/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-11/12														
W in Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
H in inches	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"

Note:

Maximum single module construction - 3 x 1.8 meters

Multiple module available with mullion.

Applications :

- Sand Trap Louvers B-11 Light duty and B-12 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.

AMCA500 - L Tested Sand Trap Louver

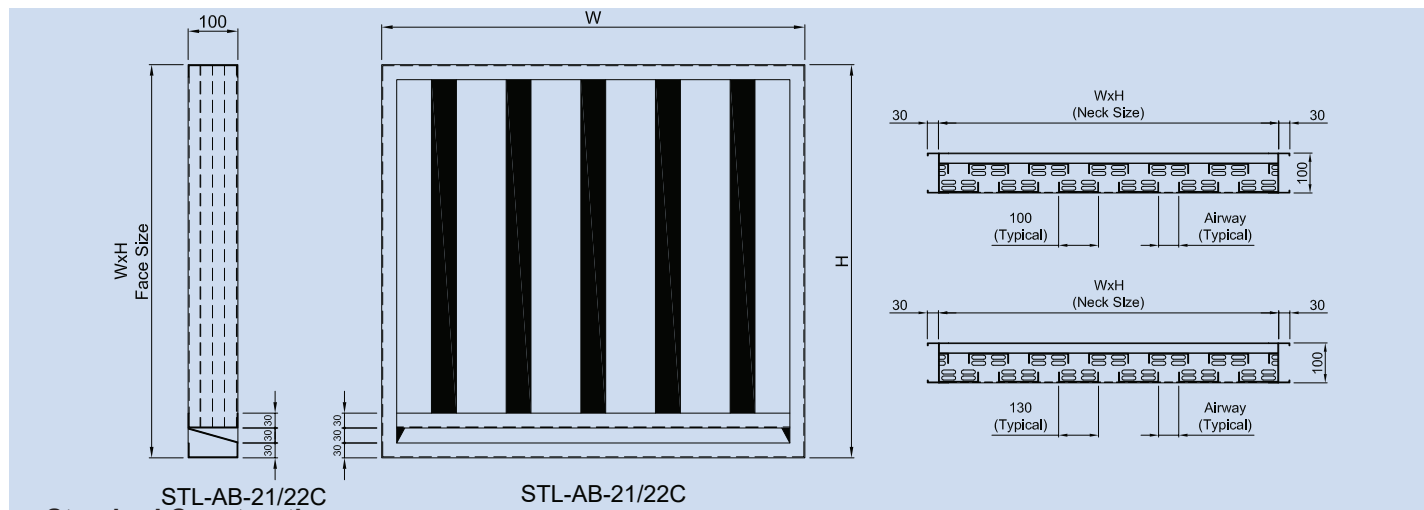
For Light / Medium duty applications

Model: STL-AB-22C* (AMCA 500-L); Blade Width: 1 – 100 mm; 2 – 130 mm**

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

B-20 Series

"BETEC CAD. certifies that the STL-AB-22 C shown herein 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 water penetration and air performance."



STL-AB-21/22C

STL-AB-21/22C

Standard Construction

Frame

1.5 mm thick aluminium roll formed profile.

Blade

1.2 mm thick aluminium roll formed profile.

Blade Orientation

Vertical.

Blade Type

U Shaped 130 mm.

Screen

Galvanized Steel Bird Screen.

Finish

Mill finish/

Standard Powder Coating finish as per RAL Colour Codes.

B-20 Series Model Details

Model	Frame		Blade	
	Material	Thickness	Material	Thickness
STL-AB-21/22A/B/C	AL	1.5** mm	AL	1.2** mm
STL-GB-21/22A/B/C	GI	1.5 mm	GI	1.2 mm
STL-SB-21/22A/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

Any Combination of W x H

STL-AB-21/22														
W in Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
H in inches	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"

Note:

Maximum single module construction - 3 x 2 meters

Multiple module available with mullion.

Applications :

- Sand Trap Louvers AB-21 Light duty and AB-22 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.

Optional Fittings

Blade

U Shaped 100 mm.

Screen

Stainless Steel / Aluminum Bird Screen

Stainless Steel Insect/fly Screen

Filter

13 / 25 / 50 mm thickness aluminum media filter/ G4(MERV8).

Damper

Control Damper

Mounting Angles

Mounting frame and angle flange.

Finish

Custom based optional coatings / finish are also available on request.

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

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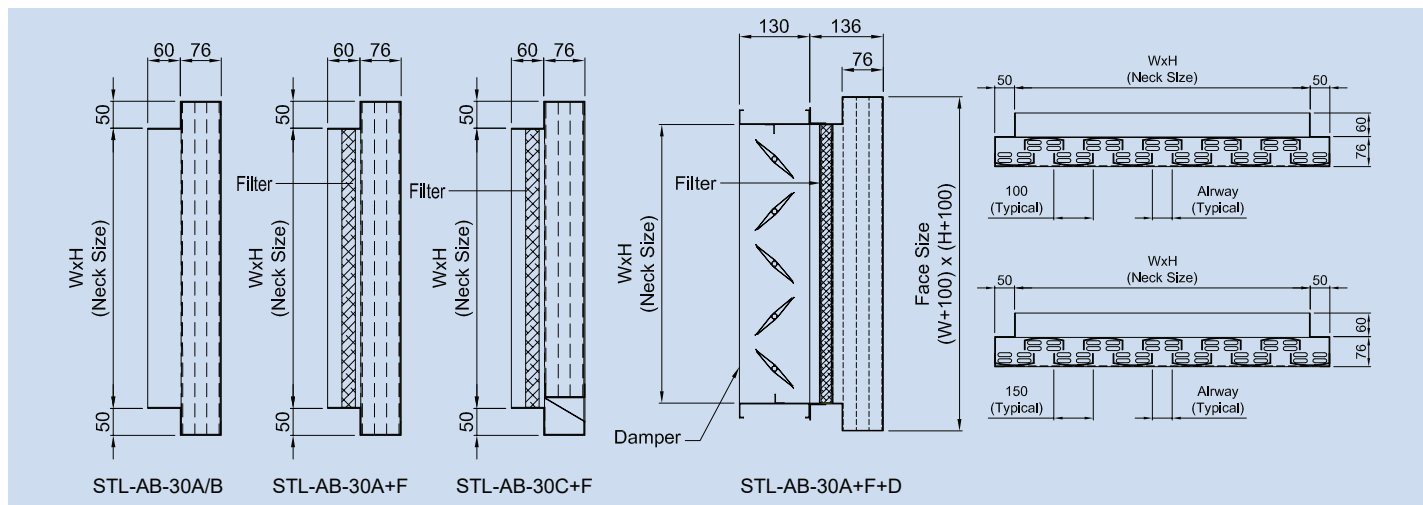
Sand Trap Louver

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 Bird Screen.

Finish

Mill finish/

Standard Powder Coating finish as per RAL Colour Codes.

Optional Fittings

Blade

Curved type 150 mm.

Screen

Stainless Steel / Aluminum Bird Screen

Stainless Steel Insect/fly Screen

Filter

13 / 25 / 50 mm thickness aluminum media filter/ G4(MERV8).

Damper

Control Damper.

Mounting Angles

Mounting frame and angle flange.

Finish

Custom based optional coatings / finish are also available on request.

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													
W in Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	30"
H in inches	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	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.

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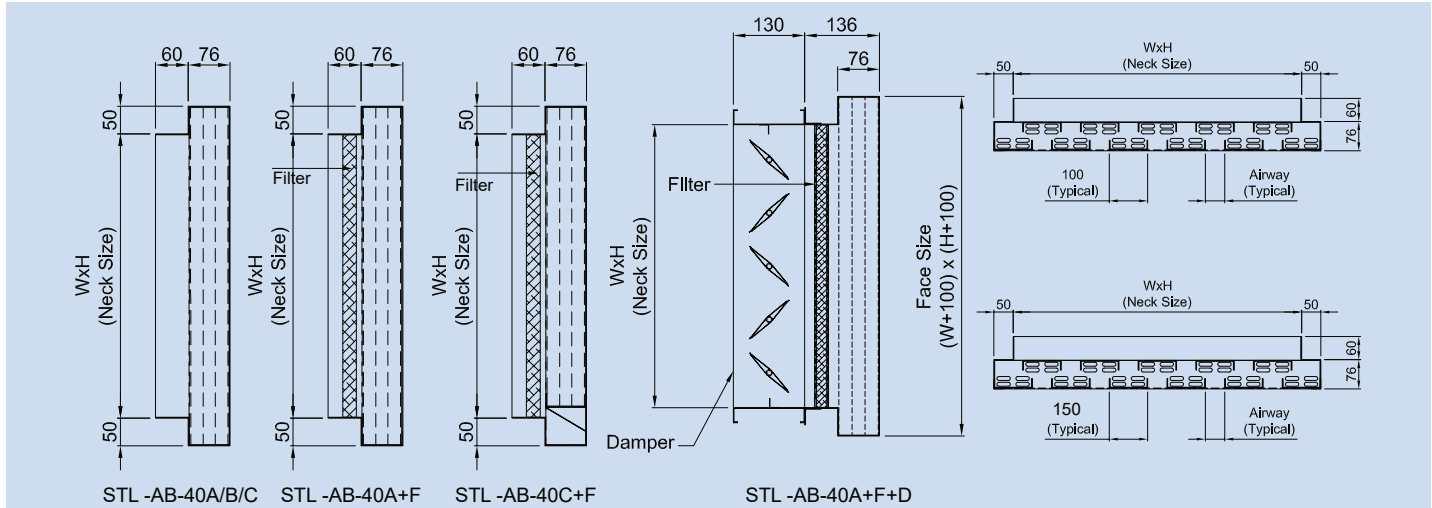
Sand Trap Louver

B-40 Series

For Heavy duty applications

Model: STL-AB-41A; **Blade Width:** 1 – 100** mm; 2 – 130 mm

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



Standard Construction

Frame

2 mm thick extruded aluminum profile.

Blade

2 mm thick extruded aluminum profile.

Blade Orientation

Vertical

Blade Type

U Shaped 100 mm

Screen

Galvanized Steel Bird Screen.

Finish

Mill finish/

Standard Powder Coating finish as per RAL Colour Codes.

Optional Fittings

Blade

U Shaped 130 mm

Screen

Stainless Steel / Aluminum Bird Screen

Stainless Steel Insect/fly Screen

Filter

13 / 25 / 50 mm thickness aluminum media filter/ G4(MERV8).

Damper

Control Damper

Mounting Angles

Mounting frame and angle flange.

Finish

Custom based optional coatings / finish are also available on request.

B-40 Series Model Details

Model	Frame		Blade	
	Material	Thickness	Material	Thickness
STL-AB-41/42A/B/C	AL	2** mm	AL	2** mm
STL-GB-41/42A/B/C	GI	2 mm	GI	2 mm
STL-SB-41/42A/B/C	SS	2 mm	SS	2 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-41/42														
W in Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
H in inches	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"

Note:

Maximum single module construction - 3 x 2.5 meters

Multiple module available with mullion.

Applications :

- Sand Trap Louvers B-41 and B-42 Heavy 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.

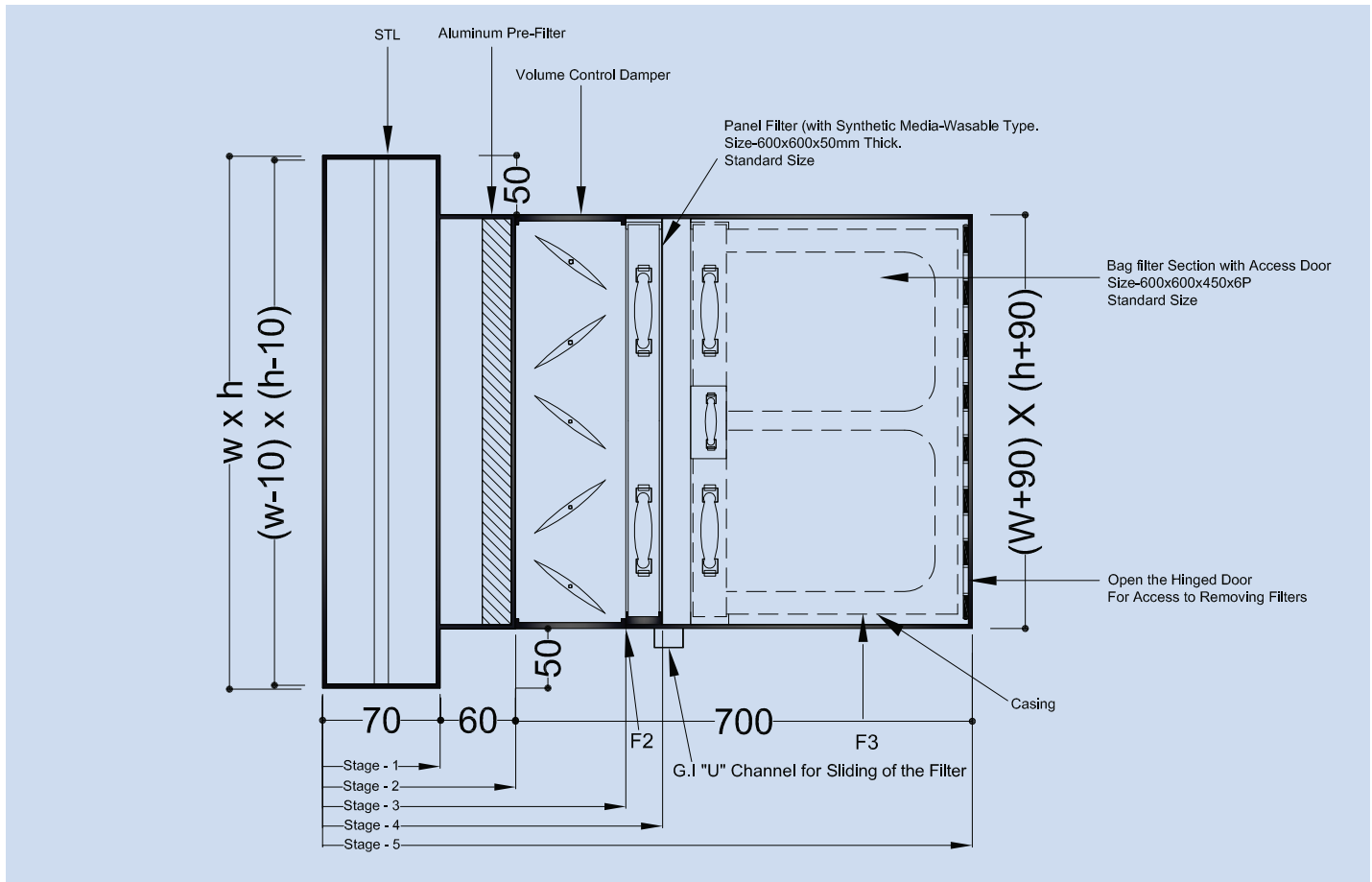
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Sand Trap Louver - STL

B-10/20/30/40 Series

Optional Constructions - Model : STL-B-10/20/30/40 + F1+D+F2+F3



Model : STL-B-10/20/30/40 + F1+D+F2+F3

Sand Filtration Efficiency at different stages at face velocity $V_f = 1\text{mt/sec.}$

For STL with Multiple Assembly Construction.

Stage	Sand Particle in Microns (μ)	% Efficiency
Stage 1	150 - 700	60 - 75%
Stage 2	75 - 150	75%
Stage 3	75 - 150	75%
Stage 4	25 - 100	90%
Stage 5	10 - 50	96%

Note : Stage 3 will not effect filtration of sand particles & efficiency.

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Sand Trap Louver - STL

Engineering and Performance Data

B-10 Series

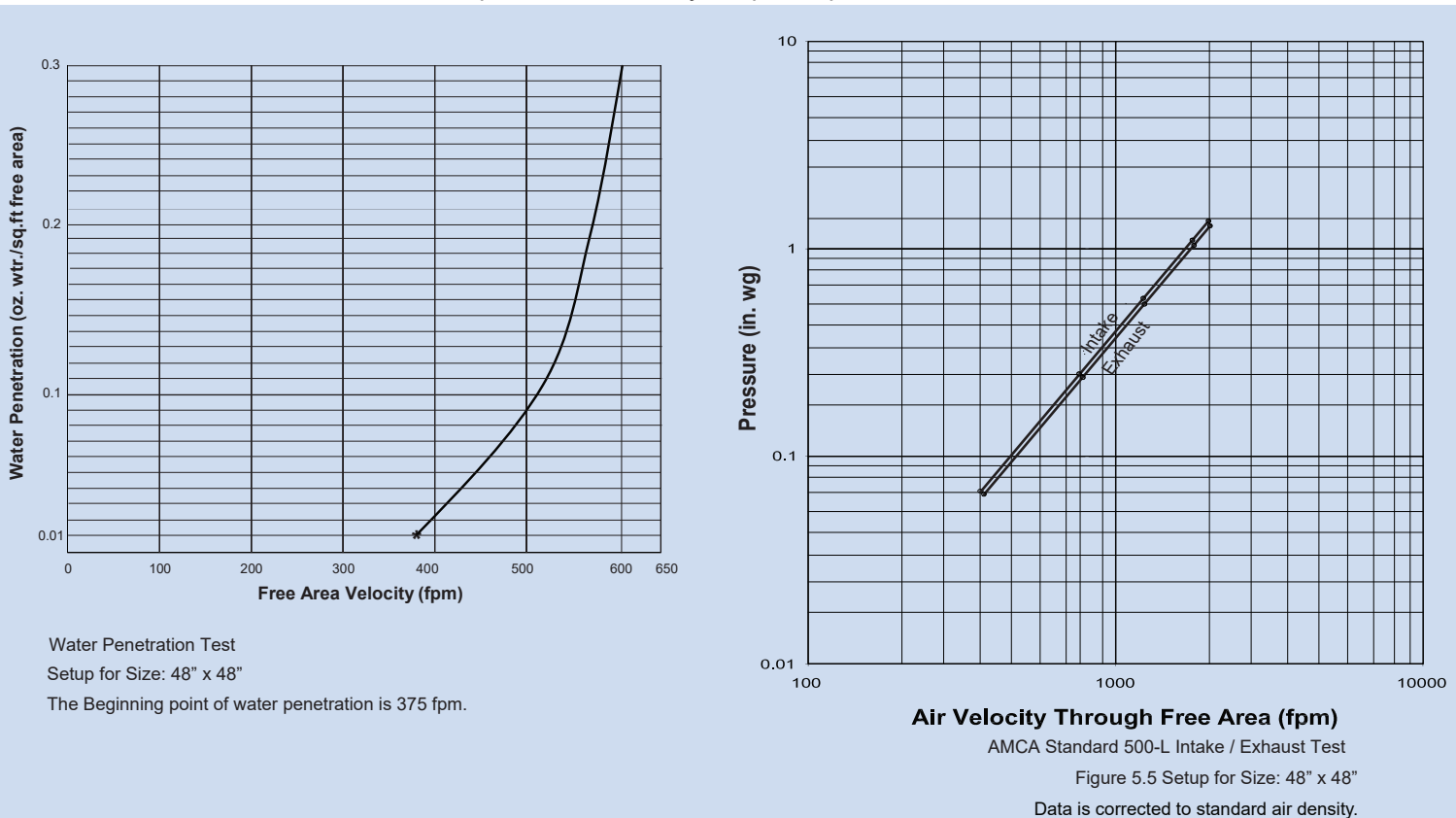
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Selection table for Model : STL-AB-11A/B/C

		Height (mm)																													
Width (m)		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000		
	300	0.010	0.015	0.020	0.025	0.030	0.035	0.040	0.045	0.050	0.055	0.060	0.065	0.070	0.075	0.080	0.085	0.090	0.095	0.100	0.105	0.110	0.115	0.120	0.125	0.130	0.135	0.140	0.145		
	400	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290		
	500	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290		
	600	0.030	0.045	0.060	0.075	0.090	0.105	0.120	0.135	0.150	0.165	0.180	0.195	0.210	0.225	0.240	0.255	0.270	0.285	0.300	0.315	0.330	0.345	0.360	0.375	0.390	0.405	0.420	0.435		
	700	0.040	0.060	0.080	0.100	0.120	0.140	0.160	0.180	0.200	0.220	0.240	0.260	0.280	0.300	0.320	0.340	0.360	0.380	0.400	0.420	0.440	0.460	0.480	0.500	0.520	0.540	0.560	0.580		
	800	0.040	0.060	0.080	0.100	0.120	0.140	0.160	0.180	0.200	0.220	0.240	0.260	0.280	0.300	0.320	0.340	0.360	0.380	0.400	0.420	0.440	0.460	0.480	0.500	0.520	0.540	0.560	0.580		
	900	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725		
	1000	0.060	0.090	0.120	0.150	0.180	0.210	0.240	0.270	0.300	0.330	0.360	0.390	0.420	0.450	0.480	0.510	0.540	0.570	0.600	0.630	0.660	0.690	0.720	0.750	0.780	0.810	0.840	0.870		
	1100	0.060	0.090	0.120	0.150	0.180	0.210	0.240	0.270	0.300	0.330	0.360	0.390	0.420	0.450	0.480	0.510	0.540	0.570	0.600	0.630	0.660	0.690	0.720	0.750	0.780	0.810	0.840	0.870		
	1200	0.070	0.105	0.140	0.175	0.210	0.245	0.280	0.315	0.350	0.385	0.420	0.455	0.490	0.525	0.560	0.595	0.630	0.665	0.700	0.735	0.770	0.805	0.840	0.875	0.910	0.945	0.980	1.015		
	1300	0.080	0.120	0.160	0.200	0.240	0.280	0.320	0.360	0.400	0.440	0.480	0.520	0.560	0.600	0.640	0.680	0.720	0.760	0.800	0.840	0.880	0.920	0.960	1.000	1.040	1.080	1.120	1.160		
	1400	0.080	0.120	0.160	0.200	0.240	0.280	0.320	0.360	0.400	0.440	0.480	0.520	0.560	0.600	0.640	0.680	0.720	0.760	0.800	0.840	0.880	0.920	0.960	1.000	1.040	1.080	1.120	1.160		
	1500	0.090	0.135	0.180	0.225	0.270	0.315	0.360	0.405	0.450	0.495	0.540	0.585	0.630	0.675	0.720	0.765	0.810	0.855	0.900	0.945	0.990	1.035	1.080	1.125	1.170	1.215	1.260	1.305		
	1600	0.100	0.150	0.200	0.250	0.300	0.350	0.400	0.450	0.500	0.550	0.600	0.650	0.700	0.750	0.800	0.850	0.900	0.950	1.000	1.050	1.100	1.150	1.200	1.250	1.300	1.350	1.400	1.450		
	1700	0.100	0.150	0.200	0.250	0.300	0.350	0.400	0.450	0.500	0.550	0.600	0.650	0.700	0.750	0.800	0.850	0.900	0.950	1.000	1.050	1.100	1.150	1.200	1.250	1.300	1.350	1.400	1.450		
	1800	0.110	0.165	0.220	0.275	0.330	0.385	0.440	0.495	0.550	0.605	0.660	0.715	0.770	0.825	0.880	0.935	0.990	1.045	1.100	1.155	1.210	1.265	1.320	1.375	1.430	1.485	1.540	1.595		
	1900	0.120	0.180	0.240	0.300	0.360	0.420	0.480	0.540	0.600	0.660	0.720	0.780	0.840	0.900	0.960	1.020	1.080	1.140	1.200	1.260	1.320	1.380	1.440	1.500	1.560	1.620	1.680	1.740		
	2000	0.120	0.180	0.240	0.300	0.360	0.420	0.480	0.540	0.600	0.660	0.720	0.780	0.840	0.900	0.960	1.020	1.080	1.140	1.200	1.260	1.320	1.380	1.440	1.500	1.560	1.620	1.680	1.740		
	2100	0.130	0.195	0.260	0.325	0.390	0.455	0.520	0.585	0.650	0.715	0.780	0.845	0.910	0.975	1.040	1.105	1.170	1.235	1.300	1.365	1.430	1.495	1.560	1.625	1.690	1.755	1.820	1.885		
	2200	0.140	0.210	0.280	0.350	0.420	0.490	0.560	0.630	0.700	0.770	0.840	0.910	0.980	1.050	1.120	1.190	1.260	1.330	1.400	1.470	1.540	1.610	1.680	1.750	1.820	1.890	1.960	2.030		
	2300	0.140	0.210	0.280	0.350	0.420	0.490	0.560	0.630	0.700	0.770	0.840	0.910	0.980	1.050	1.120	1.190	1.260	1.330	1.400	1.470	1.540	1.610	1.680	1.750	1.820	1.890	1.960	2.030		
	2400	0.150	0.225	0.300	0.375	0.450	0.525	0.600	0.675	0.750	0.825	0.900	0.975	1.050	1.125	1.200	1.275	1.350	1.425	1.500	1.575	1.650	1.725	1.800	1.875	1.950	2.025	2.100	2.175		
	2500	0.160	0.240	0.320	0.400	0.480	0.560	0.640	0.720	0.800	0.880	0.960	1.040	1.120	1.200	1.280	1.360	1.440	1.520	1.600	1.680	1.760	1.840	1.920	2.000	2.080	2.160	2.240	2.320		
	2600	0.160	0.240	0.320	0.400	0.480	0.560	0.640	0.720	0.800	0.880	0.960	1.040	1.120	1.200	1.280	1.360	1.440	1.520	1.600	1.680	1.760	1.840	1.920	2.000	2.080	2.160	2.240	2.320		
	2700	0.170	0.255	0.340	0.425	0.510	0.595	0.680	0.765	0.850	0.935	1.020	1.105	1.190	1.275	1.360	1.445	1.530	1.615	1.700	1.785	1.870	1.955	2.040	2.125	2.210	2.295	2.380	2.465		
	2800	0.180	0.270	0.360	0.450	0.540	0.630	0.720	0.810	0.900	0.990	1.080	1.170	1.260	1.350	1.440	1.530	1.620	1.710	1.800	1.890	1.980	2.070	2.160	2.250	2.340	2.430	2.520	2.610		
	2900	0.180	0.270	0.360	0.450	0.540	0.630	0.720	0.810	0.900	0.990	1.080	1.170	1.260	1.350	1.440	1.530	1.620	1.710	1.800	1.890	1.980	2.070	2.160	2.250	2.340	2.430	2.520	2.610		
	3000	0.190	0.285	0.380	0.475	0.570	0.665	0.760	0.855	0.950	1.045	1.140	1.235	1.330	1.425	1.520	1.615	1.710	1.805	1.900	1.995	2.090	2.185	2.280	2.375	2.470	2.565	2.660	2.755		

Model : STL-AB-11A/B/C Pressure Drop V/S Face Velocity Graph. as per AMCA500-L



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



Sand Trap Louver - STL

Engineering and Performance Data

B-20 Series

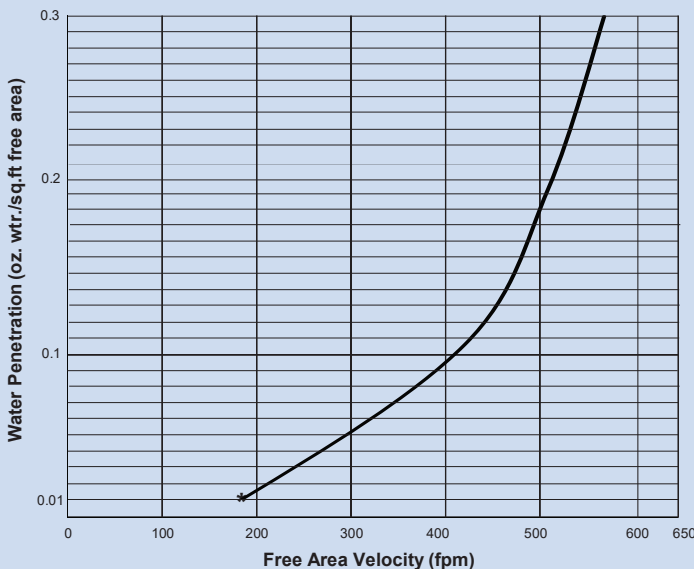
"BETEC CAD. certifies that the STL-AB-22 C shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings seal Applies to water penetration and air performance."



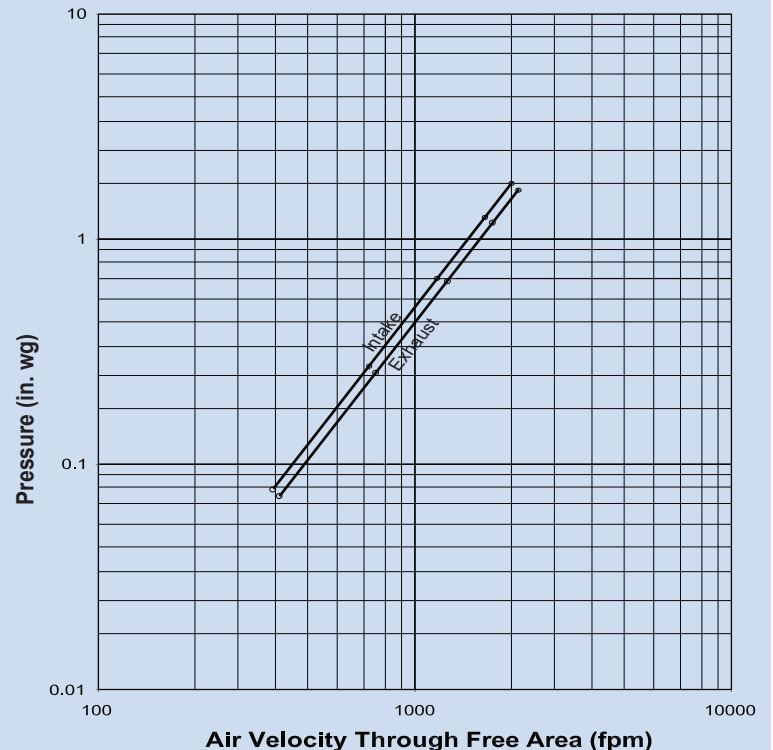
Selection table for Model : STL-AB-22C

		Height (mm)																													
Width (mm)		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000		
	300	0.010	0.016	0.021	0.027	0.032	0.038	0.043	0.049	0.054	0.060	0.065	0.071	0.076	0.082	0.087	0.093	0.098	0.104	0.109	0.115	0.120	0.126	0.131	0.137	0.142	0.148	0.153	0.159		
	400	0.015	0.023	0.031	0.039	0.047	0.055	0.064	0.072	0.080	0.088	0.096	0.104	0.112	0.120	0.128	0.136	0.145	0.153	0.161	0.169	0.177	0.185	0.193	0.201	0.209	0.217	0.226	0.234		
	500	0.022	0.034	0.046	0.058	0.070	0.082	0.094	0.106	0.118	0.130	0.142	0.154	0.166	0.178	0.190	0.202	0.214	0.226	0.238	0.250	0.262	0.274	0.286	0.298	0.310	0.322	0.334	0.346		
	600	0.028	0.043	0.058	0.073	0.088	0.103	0.118	0.133	0.148	0.163	0.178	0.193	0.208	0.223	0.238	0.253	0.268	0.283	0.298	0.313	0.328	0.343	0.358	0.373	0.388	0.403	0.418	0.433		
	700	0.035	0.054	0.073	0.092	0.111	0.130	0.149	0.168	0.187	0.206	0.225	0.244	0.263	0.282	0.301	0.320	0.339	0.358	0.377	0.396	0.415	0.434	0.453	0.472	0.491	0.510	0.529	0.548		
	800	0.041	0.063	0.085	0.107	0.129	0.151	0.173	0.196	0.218	0.240	0.262	0.284	0.306	0.328	0.350	0.372	0.394	0.417	0.439	0.461	0.483	0.505	0.527	0.549	0.571	0.593	0.615	0.638		
	900	0.048	0.074	0.100	0.126	0.152	0.178	0.204	0.230	0.256	0.282	0.308	0.334	0.360	0.386	0.412	0.438	0.464	0.490	0.516	0.542	0.568	0.594	0.620	0.646	0.672	0.698	0.724	0.750		
	1000	0.054	0.083	0.112	0.141	0.170	0.199	0.228	0.257	0.286	0.315	0.344	0.373	0.402	0.431	0.460	0.489	0.518	0.547	0.576	0.605	0.634	0.663	0.692	0.721	0.750	0.779	0.808	0.837		
	1100	0.060	0.093	0.125	0.158	0.190	0.223	0.255	0.288	0.320	0.353	0.385	0.418	0.450	0.483	0.515	0.548	0.580	0.613	0.645	0.678	0.710	0.743	0.775	0.808	0.840	0.873	0.905	0.938		
	1200	0.067	0.103	0.139	0.175	0.211	0.247	0.283	0.319	0.356	0.392	0.428	0.464	0.500	0.536	0.572	0.608	0.644	0.680	0.717	0.753	0.789	0.825	0.861	0.897	0.933	0.969	1.005	1.041		
	1300	0.072	0.111	0.150	0.189	0.228	0.267	0.306	0.345	0.384	0.423	0.462	0.501	0.540	0.579	0.618	0.657	0.696	0.735	0.774	0.813	0.852	0.891	0.930	0.969	1.008	1.047	1.086	1.125		
	1400	0.080	0.123	0.166	0.209	0.252	0.295	0.338	0.381	0.424	0.467	0.510	0.553	0.596	0.639	0.682	0.725	0.768	0.811	0.854	0.897	0.940	0.983	1.026	1.069	1.112	1.155	1.198	1.241		
	1500	0.084	0.130	0.175	0.221	0.266	0.312	0.357	0.403	0.448	0.494	0.539	0.585	0.630	0.676	0.721	0.767	0.812	0.858	0.903	0.949	0.994	1.040	1.085	1.131	1.176	1.222	1.267	1.313		
	1600	0.093	0.143	0.193	0.243	0.293	0.343	0.393	0.443	0.493	0.544	0.594	0.644	0.694	0.744	0.794	0.844	0.894	0.944	0.994	1.045	1.095	1.145	1.195	1.245	1.295	1.345	1.395	1.445		
	1700	0.096	0.148	0.200	0.252	0.304	0.356	0.408	0.460	0.512	0.564	0.616	0.668	0.720	0.772	0.824	0.876	0.928	0.980	1.032	1.084	1.136	1.188	1.240	1.292	1.344	1.396	1.448	1.500		
	1800	0.105	0.162	0.219	0.276	0.333	0.390	0.447	0.504	0.561	0.618	0.675	0.732	0.789	0.846	0.903	0.960	1.017	1.074	1.131	1.188	1.245	1.302	1.359	1.416	1.473	1.530	1.587	1.644		
	1900	0.108	0.167	0.225	0.284	0.342	0.401	0.459	0.518	0.576	0.635	0.693	0.752	0.810	0.869	0.927	0.986	1.044	1.103	1.161	1.220	1.278	1.337	1.395	1.454	1.512	1.571	1.629	1.688		
	2000	0.119	0.183	0.247	0.311	0.375	0.439	0.503	0.567	0.631	0.695	0.760	0.824	0.888	0.952	1.016	1.080	1.144	1.208	1.272	1.336	1.401	1.465	1.529	1.593	1.657	1.721	1.785	1.849		
	2100	0.120	0.185	0.250	0.315	0.380	0.445	0.510	0.575	0.640	0.705	0.770	0.835	0.900	0.965	1.030	1.095	1.160	1.225	1.290	1.355	1.420	1.485	1.550	1.615	1.680	1.745	1.810	1.875		
	2200	0.131	0.202	0.273	0.344	0.415	0.486	0.557	0.628	0.699	0.770	0.841	0.912	0.983	1.054	1.125	1.196	1.267	1.338	1.409	1.480	1.551	1.622	1.693	1.764	1.835	1.906	1.977	2.048		
	2300	0.132	0.204	0.275	0.347	0.418	0.490	0.561	0.633	0.704	0.776	0.847	0.919	0.990	1.062	1.133	1.205	1.276	1.348	1.419	1.491	1.562	1.634	1.705	1.777	1.848	1.920	1.991	2.063		
	2400	0.144	0.222	0.300	0.378	0.456	0.534	0.612	0.690	0.768	0.846	0.924	1.002	1.080	1.158	1.236	1.314	1.392	1.470	1.548	1.626	1.704	1.782	1.860	1.938	2.016	2.094	2.172	2.250		
	2500	0.144	0.222	0.300	0.378	0.456	0.534	0.612	0.690	0.768	0.846	0.924	1.002	1.080	1.158	1.236	1.314	1.392	1.470	1.548	1.626	1.704	1.782	1.860	1.938	2.016	2.094	2.172	2.250		
	2600	0.156	0.241	0.325	0.410	0.494	0.579	0.663	0.748	0.832	0.917	1.001	1.086	1.170	1.255	1.339	1.424	1.508	1.593	1.677	1.762	1.846	1.931	2.015	2.100	2.184	2.269	2.353	2.438		
	2700	0.156	0.241	0.325	0.410	0.494	0.579	0.663	0.748	0.832	0.917	1.001	1.086	1.170	1.255	1.339	1.424	1.508	1.593	1.677	1.762	1.846	1.931	2.015	2.100	2.184	2.269	2.353	2.438		
	2800	0.168	0.259	0.350	0.441	0.532	0.623	0.714	0.805	0.896	0.987	1.078	1.169	1.260	1.351	1.442	1.533	1.624	1.715	1.806	1.897	1.988	2.079	2.170	2.261	2.352	2.443	2.534	2.625		
	2900	0.168	0.259	0.350	0.441	0.532	0.623	0.714	0.805	0.896	0.987	1.078	1.169	1.260	1.351	1.442	1.533	1.624	1.715	1.806	1.897	1.988	2.079	2.170	2.261	2.352	2.443	2.534	2.625		
	3000	0.180	0.278	0.375	0.473	0.570	0.668	0.765	0.863	0.960	1.058	1.155	1.253	1.350	1.448	1.545	1.643	1.740	1.838	1.935	2.033	2.130	2.228	2.325	2.423	2.520	2.618	2.715	2.813		

Model : STL-AB-22A/B/C Pressure Drop V/S Face Velocity Graph. as per AMCA500 - L



AMCA Standard 500-L Water Penetration Test (15 minutes Test Duration)
Figure 5.6 Setup for Size: 48" x 48"
The Beginning point of water penetration is 183.9 fpm.



AMCA Standard 500-L Intake / Exhaust Test.
Figure 5.5 Setup for Size: 48" x 48"
Data is corrected to standard air density

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

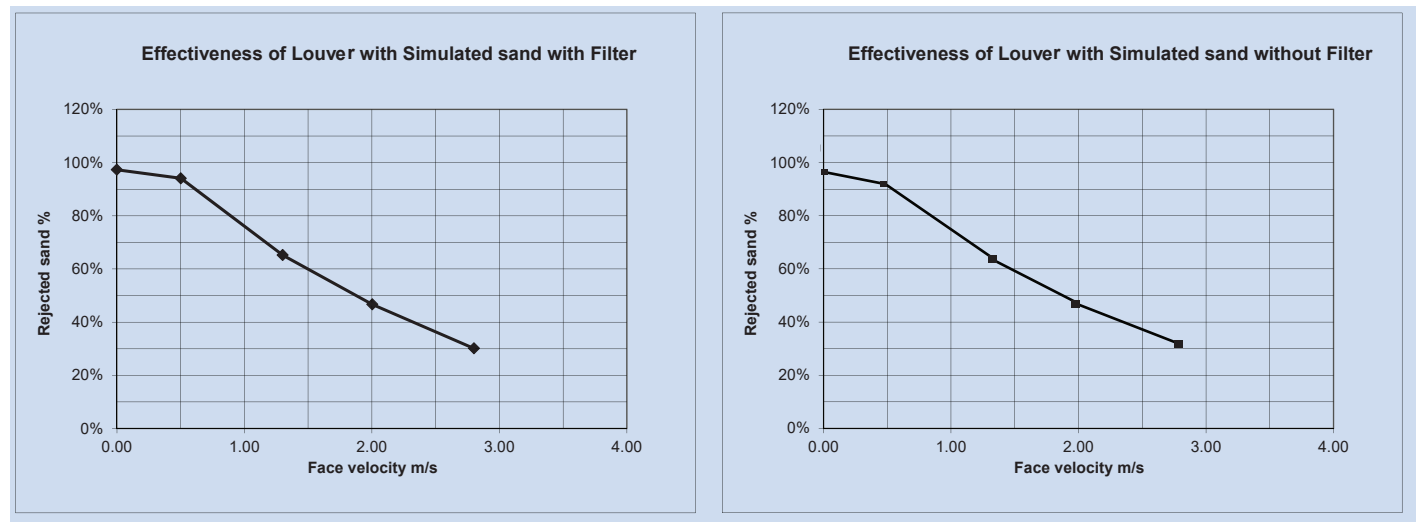


Sand Trap Louver - STL

B-10/20 Series

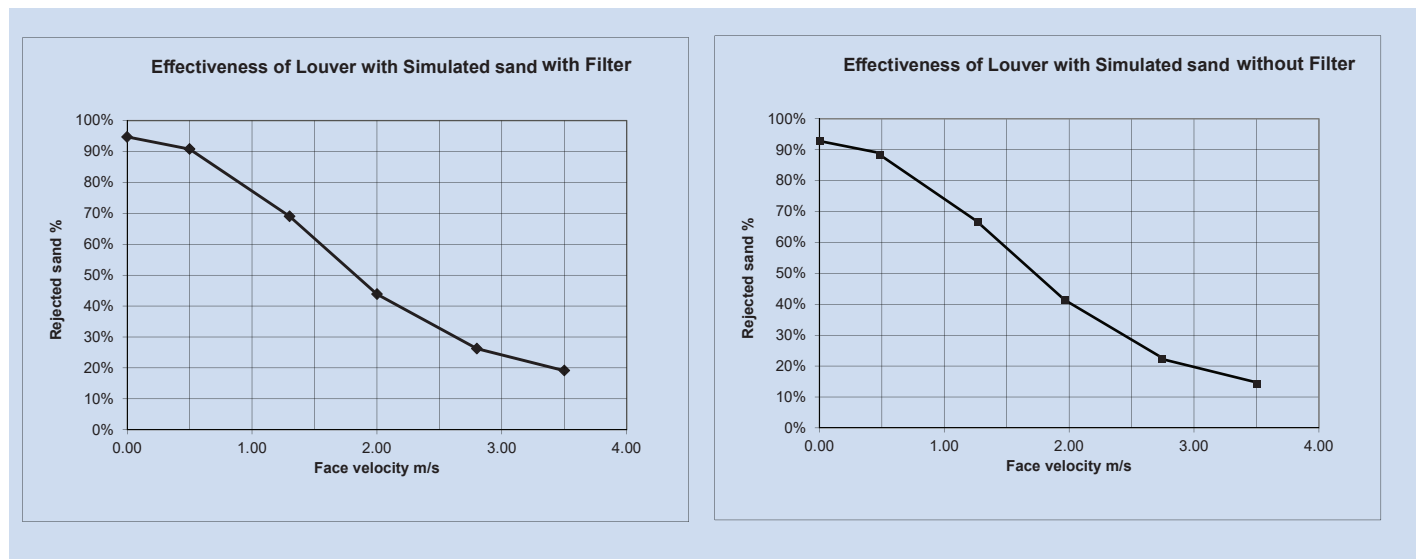
Engineering and Performance Data

Model : STL-AB-11A Sand Rejection V/S Face Velocity Graph. (as per BSRIA)



Sand Rejection Efficiency (as per BSRIA) Model : STL-AB-11						
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	92%	75%	95%	77%	98%	96%

Model : STL-BC-22C Sand Rejection V/S Face Velocity Graph. (as per BSRIA)



Sand Rejection Efficiency (as per BSRIA) Model : STL-BC-22C						
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%

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



Sand Trap Louver - STL

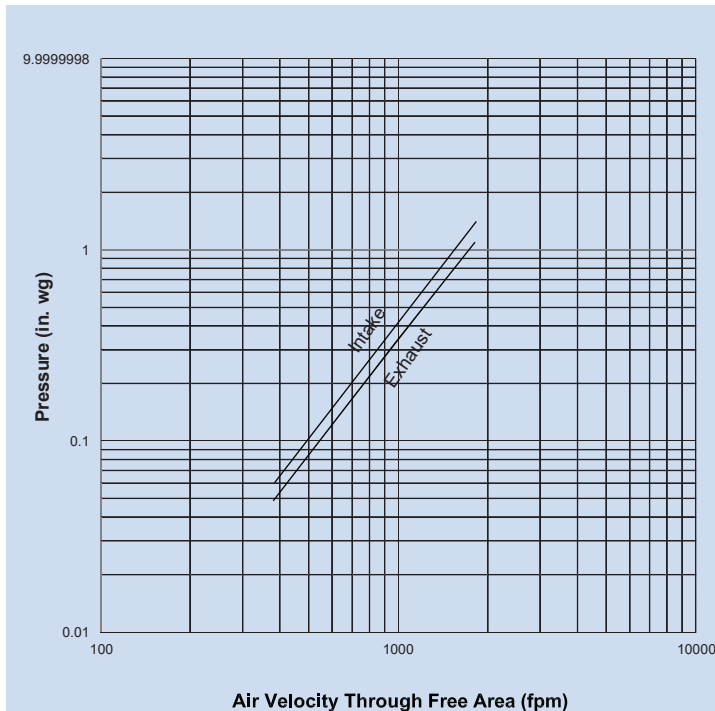
B-30 Series

Engineering and Performance Data

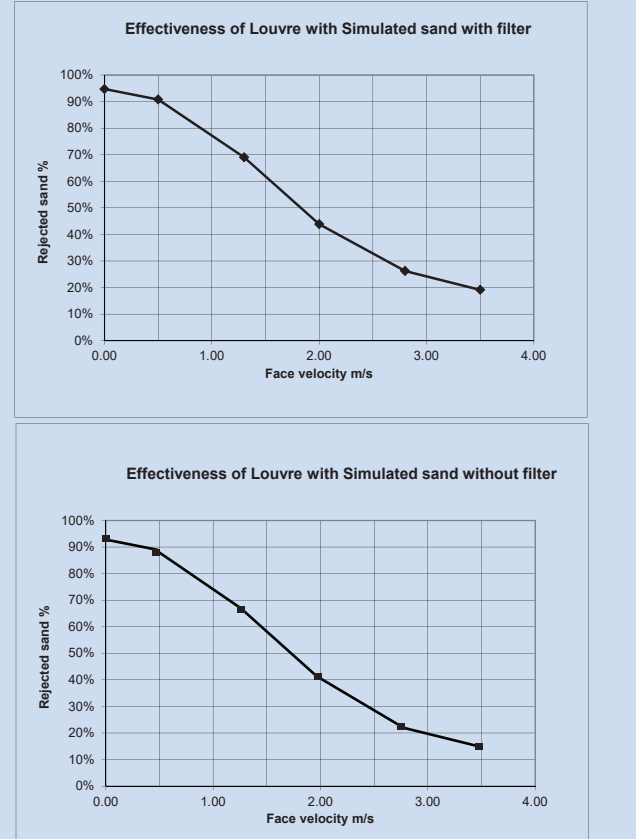
Selection table for **Model : STL-AB-30**

		Height (mm)																													
Width (mm)		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000		
	300	0.010	0.016	0.021	0.027	0.032	0.038	0.043	0.049	0.054	0.060	0.065	0.071	0.076	0.082	0.087	0.093	0.098	0.104	0.109	0.115	0.120	0.126	0.131	0.137	0.142	0.148	0.153	0.159		
	400	0.015	0.023	0.031	0.039	0.047	0.055	0.064	0.072	0.080	0.088	0.096	0.104	0.112	0.120	0.128	0.136	0.145	0.153	0.161	0.169	0.177	0.185	0.193	0.201	0.209	0.217	0.226	0.234		
	500	0.022	0.034	0.046	0.058	0.070	0.082	0.094	0.106	0.118	0.130	0.142	0.154	0.166	0.178	0.190	0.202	0.214	0.226	0.238	0.250	0.262	0.274	0.286	0.298	0.310	0.322	0.334	0.346		
	600	0.028	0.043	0.058	0.073	0.088	0.103	0.118	0.133	0.148	0.163	0.178	0.193	0.208	0.223	0.238	0.253	0.268	0.283	0.298	0.313	0.328	0.343	0.358	0.373	0.388	0.403	0.418	0.433		
	700	0.035	0.054	0.073	0.092	0.111	0.130	0.149	0.168	0.187	0.206	0.225	0.244	0.263	0.282	0.301	0.320	0.339	0.358	0.377	0.396	0.415	0.434	0.453	0.472	0.491	0.510	0.529	0.548		
	800	0.041	0.063	0.085	0.107	0.129	0.151	0.173	0.196	0.218	0.240	0.262	0.284	0.306	0.328	0.350	0.372	0.394	0.417	0.439	0.461	0.483	0.505	0.527	0.549	0.571	0.593	0.615	0.638		
	900	0.048	0.074	0.100	0.126	0.152	0.178	0.204	0.230	0.256	0.282	0.308	0.334	0.360	0.386	0.412	0.438	0.464	0.490	0.516	0.542	0.568	0.594	0.620	0.646	0.672	0.698	0.724	0.750		
	1000	0.054	0.083	0.112	0.141	0.170	0.199	0.228	0.257	0.286	0.315	0.344	0.373	0.402	0.431	0.460	0.489	0.518	0.547	0.576	0.605	0.634	0.663	0.692	0.721	0.750	0.779	0.808	0.837		
	1100	0.060	0.093	0.125	0.158	0.190	0.223	0.255	0.288	0.320	0.353	0.385	0.418	0.450	0.483	0.515	0.548	0.580	0.613	0.645	0.678	0.710	0.743	0.775	0.808	0.840	0.873	0.905	0.938		
	1200	0.067	0.103	0.139	0.175	0.211	0.247	0.283	0.319	0.356	0.392	0.428	0.464	0.500	0.536	0.572	0.608	0.644	0.680	0.717	0.753	0.789	0.825	0.861	0.897	0.933	0.969	1.005	1.041		
	1300	0.072	0.111	0.150	0.189	0.228	0.267	0.306	0.345	0.384	0.423	0.462	0.501	0.540	0.579	0.618	0.657	0.696	0.735	0.774	0.813	0.852	0.891	0.930	0.969	1.008	1.047	1.086	1.125		
	1400	0.080	0.123	0.166	0.209	0.252	0.295	0.338	0.381	0.424	0.467	0.510	0.553	0.596	0.639	0.682	0.725	0.768	0.811	0.854	0.897	0.940	0.983	1.026	1.069	1.112	1.155	1.198	1.241		
	1500	0.084	0.130	0.175	0.221	0.266	0.312	0.357	0.403	0.448	0.494	0.539	0.585	0.630	0.676	0.721	0.767	0.812	0.858	0.903	0.949	0.994	1.040	1.085	1.131	1.176	1.222	1.267	1.313		
	1600	0.093	0.143	0.193	0.243	0.293	0.343	0.393	0.443	0.493	0.544	0.594	0.644	0.694	0.744	0.794	0.844	0.894	0.944	0.994	1.045	1.095	1.145	1.195	1.245	1.295	1.345	1.395	1.445		
	1700	0.096	0.148	0.200	0.252	0.304	0.356	0.408	0.460	0.512	0.564	0.616	0.668	0.720	0.772	0.824	0.876	0.928	0.980	1.032	1.084	1.136	1.188	1.240	1.292	1.344	1.396	1.448	1.500		
	1800	0.105	0.162	0.219	0.276	0.333	0.390	0.447	0.504	0.561	0.618	0.675	0.732	0.789	0.846	0.903	0.960	1.017	1.074	1.131	1.188	1.245	1.302	1.359	1.416	1.473	1.530	1.587	1.644		
	1900	0.108	0.167	0.225	0.284	0.342	0.401	0.459	0.518	0.576	0.635	0.693	0.752	0.810	0.869	0.927	0.986	1.044	1.103	1.161	1.220	1.278	1.337	1.395	1.454	1.512	1.571	1.629	1.688		
	2000	0.119	0.183	0.247	0.311	0.375	0.439	0.503	0.567	0.631	0.695	0.760	0.824	0.888	0.952	1.016	1.080	1.144	1.208	1.272	1.336	1.401	1.465	1.529	1.593	1.657	1.721	1.785	1.849		
	2100	0.120	0.185	0.250	0.315	0.380	0.445	0.510	0.575	0.640	0.705	0.770	0.835	0.900	0.965	1.030	1.095	1.160	1.225	1.290	1.355	1.420	1.485	1.550	1.615	1.680	1.745	1.810	1.875		
	2200	0.131	0.202	0.273	0.344	0.415	0.486	0.557	0.628	0.699	0.770	0.841	0.912	0.983	1.054	1.125	1.196	1.267	1.338	1.409	1.480	1.551	1.622	1.693	1.764	1.835	1.906	1.977	2.048		
	2300	0.132	0.204	0.275	0.347	0.418	0.490	0.561	0.633	0.704	0.776	0.847	0.919	0.990	1.062	1.133	1.205	1.276	1.348	1.419	1.491	1.562	1.634	1.705	1.777	1.848	1.920	1.991	2.063		
	2400	0.144	0.222	0.300	0.378	0.456	0.534	0.612	0.690	0.768	0.846	0.924	1.002	1.080	1.158	1.236	1.314	1.392	1.470	1.548	1.626	1.704	1.782	1.860	1.938	2.016	2.094	2.172	2.250		
	2500	0.144	0.222	0.300	0.378	0.456	0.534	0.612	0.690	0.768	0.846	0.924	1.002	1.080	1.158	1.236	1.314	1.392	1.470	1.548	1.626	1.704	1.782	1.860	1.938	2.016	2.094	2.172	2.250		
	2600	0.156	0.241	0.325	0.410	0.494	0.579	0.663	0.748	0.832	0.917	1.001	1.086	1.170	1.255	1.339	1.424	1.508	1.593	1.677	1.762	1.846	1.931	2.015	2.100	2.184	2.269	2.353	2.438		
	2700	0.156	0.241	0.325	0.410	0.494	0.579	0.663	0.748	0.832	0.917	1.001	1.086	1.170	1.255	1.339	1.424	1.508	1.593	1.677	1.762	1.846	1.931	2.015	2.100	2.184	2.269	2.353	2.438		
	2800	0.168	0.259	0.350	0.441	0.532	0.623	0.714	0.805	0.896	0.987	1.078	1.169	1.260	1.351	1.442	1.533	1.624	1.715	1.806	1.897	1.988	2.079	2.170	2.261	2.352	2.443	2.534	2.625		
	2900	0.168	0.259	0.350	0.441	0.532	0.623	0.714	0.805	0.896	0.987	1.078	1.169	1.260	1.351	1.442	1.533	1.624	1.715	1.806	1.897	1.988	2.079	2.170	2.261	2.352	2.443	2.534	2.625		
	3000	0.180	0.278	0.375	0.473	0.570	0.668	0.765	0.863	0.960	1.058	1.155	1.253	1.350	1.448	1.545	1.643	1.740	1.838	1.935	2.033	2.130	2.228	2.325	2.423	2.520	2.618	2.715	2.813		

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%

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

Sand Trap Louver - STL

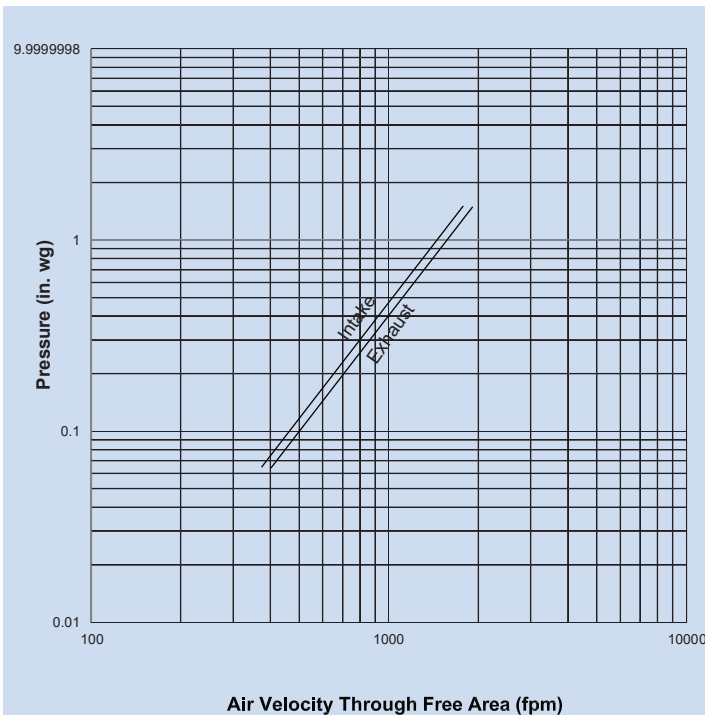
B-40 Series

Engineering and Performance Data

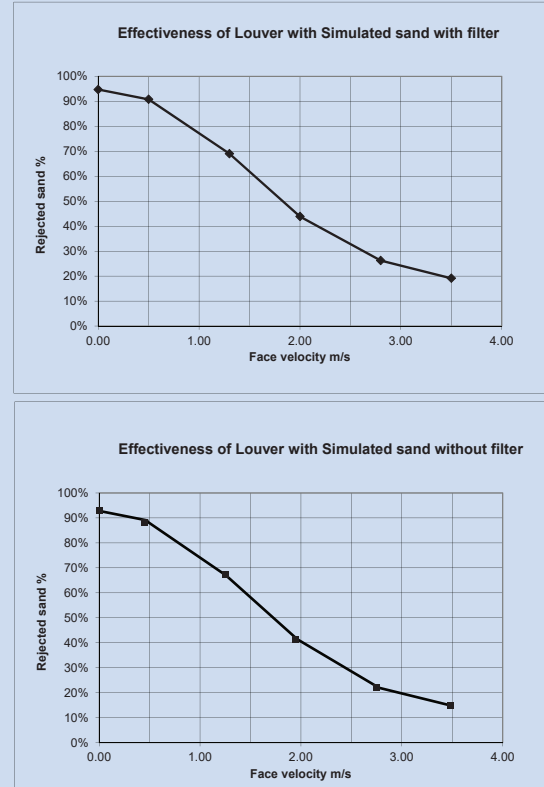
Selection table for Model : STL-AB-40

		Height (mm)																											
W i d t h (m m)		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
	300	0.010	0.015	0.020	0.025	0.030	0.035	0.040	0.045	0.050	0.055	0.060	0.065	0.070	0.075	0.080	0.085	0.090	0.095	0.100	0.105	0.110	0.115	0.120	0.125	0.130	0.135	0.140	0.145
	400	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290
	500	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290
	600	0.030	0.045	0.060	0.075	0.090	0.105	0.120	0.135	0.150	0.165	0.180	0.195	0.210	0.225	0.240	0.255	0.270	0.285	0.300	0.315	0.330	0.345	0.360	0.375	0.390	0.405	0.420	0.435
	700	0.040	0.060	0.080	0.100	0.120	0.140	0.160	0.180	0.200	0.220	0.240	0.260	0.280	0.300	0.320	0.340	0.360	0.380	0.400	0.420	0.440	0.460	0.480	0.500	0.520	0.540	0.560	0.580
	800	0.040	0.060	0.080	0.100	0.120	0.140	0.160	0.180	0.200	0.220	0.240	0.260	0.280	0.300	0.320	0.340	0.360	0.380	0.400	0.420	0.440	0.460	0.480	0.500	0.520	0.540	0.560	0.580
	900	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725
	1000	0.060	0.090	0.120	0.150	0.180	0.210	0.240	0.270	0.300	0.330	0.360	0.390	0.420	0.450	0.480	0.510	0.540	0.570	0.600	0.630	0.660	0.690	0.720	0.750	0.780	0.810	0.840	0.870
	1100	0.060	0.090	0.120	0.150	0.180	0.210	0.240	0.270	0.300	0.330	0.360	0.390	0.420	0.450	0.480	0.510	0.540	0.570	0.600	0.630	0.660	0.690	0.720	0.750	0.780	0.810	0.840	0.870
	1200	0.070	0.105	0.140	0.175	0.210	0.245	0.280	0.315	0.350	0.385	0.420	0.455	0.490	0.525	0.560	0.595	0.630	0.665	0.700	0.735	0.770	0.805	0.840	0.875	0.910	0.945	0.980	1.015
	1300	0.080	0.120	0.160	0.200	0.240	0.280	0.320	0.360	0.400	0.440	0.480	0.520	0.560	0.600	0.640	0.680	0.720	0.760	0.800	0.840	0.880	0.920	0.960	1.000	1.040	1.080	1.120	1.160
	1400	0.080	0.120	0.160	0.200	0.240	0.280	0.320	0.360	0.400	0.440	0.480	0.520	0.560	0.600	0.640	0.680	0.720	0.760	0.800	0.840	0.880	0.920	0.960	1.000	1.040	1.080	1.120	1.160
	1500	0.090	0.135	0.180	0.225	0.270	0.315	0.360	0.405	0.450	0.495	0.540	0.585	0.630	0.675	0.720	0.765	0.810	0.855	0.900	0.945	0.990	1.035	1.080	1.125	1.170	1.215	1.260	1.305
	1600	0.100	0.150	0.200	0.250	0.300	0.350	0.400	0.450	0.500	0.550	0.600	0.650	0.700	0.750	0.800	0.850	0.900	0.950	1.000	1.050	1.100	1.150	1.200	1.250	1.300	1.350	1.400	1.450
	1700	0.100	0.150	0.200	0.250	0.300	0.350	0.400	0.450	0.500	0.550	0.600	0.650	0.700	0.750	0.800	0.850	0.900	0.950	1.000	1.050	1.100	1.150	1.200	1.250	1.300	1.350	1.400	1.450
	1800	0.110	0.165	0.220	0.275	0.330	0.385	0.440	0.495	0.550	0.605	0.660	0.715	0.770	0.825	0.880	0.935	0.990	1.045	1.100	1.155	1.210	1.265	1.320	1.375	1.430	1.485	1.540	1.595
	1900	0.120	0.180	0.240	0.300	0.360	0.420	0.480	0.540	0.600	0.660	0.720	0.780	0.840	0.900	0.960	1.020	1.080	1.140	1.200	1.260	1.320	1.380	1.440	1.500	1.560	1.620	1.680	1.740
	2000	0.120	0.180	0.240	0.300	0.360	0.420	0.480	0.540	0.600	0.660	0.720	0.780	0.840	0.900	0.960	1.020	1.080	1.140	1.200	1.260	1.320	1.380	1.440	1.500	1.560	1.620	1.680	1.740
	2100	0.130	0.195	0.260	0.325	0.390	0.455	0.520	0.585	0.650	0.715	0.780	0.845	0.910	0.975	1.040	1.105	1.170	1.235	1.300	1.365	1.430	1.495	1.560	1.625	1.690	1.755	1.820	1.885
	2200	0.140	0.210	0.280	0.350	0.420	0.490	0.560	0.630	0.700	0.770	0.840	0.910	0.980	1.050	1.120	1.190	1.260	1.330	1.400	1.470	1.540	1.610	1.680	1.750	1.820	1.890	1.960	2.030
	2300	0.140	0.210	0.280	0.350	0.420	0.490	0.560	0.630	0.700	0.770	0.840	0.910	0.980	1.050	1.120	1.190	1.260	1.330	1.400	1.470	1.540	1.610	1.680	1.750	1.820	1.890	1.960	2.030
	2400	0.150	0.225	0.300	0.375	0.450	0.525	0.600	0.675	0.750	0.825	0.900	0.975	1.050	1.125	1.200	1.275	1.350	1.425	1.500	1.575	1.650	1.725	1.800	1.875	1.950	2.025	2.100	2.175
	2500	0.160	0.240	0.320	0.400	0.480	0.560	0.640	0.720	0.800	0.880	0.960	1.040	1.120	1.200	1.280	1.360	1.440	1.520	1.600	1.680	1.760	1.840	1.920	2.000	2.080	2.160	2.240	2.320
	2600	0.160	0.240	0.320	0.400	0.480	0.560	0.640	0.720	0.800	0.880	0.960	1.040	1.120	1.200	1.280	1.360	1.440	1.520	1.600	1.680	1.760	1.840	1.920	2.000	2.080	2.160	2.240	2.320
	2700	0.170	0.255	0.340	0.425	0.510	0.595	0.680	0.765	0.850	0.935	1.020	1.105	1.190	1.275	1.360	1.445	1.530	1.615	1.700	1.785	1.870	1.955	2.040	2.125	2.210	2.295	2.380	2.465
	2800	0.180	0.270	0.360	0.450	0.540	0.630	0.720	0.810	0.900	0.990	1.080	1.170	1.260	1.350	1.440	1.530	1.620	1.710	1.800	1.890	1.980	2.070	2.160	2.250	2.340	2.430	2.520	2.610
	2900	0.180	0.270	0.360	0.450	0.540	0.630	0.720	0.810	0.900	0.990	1.080	1.170	1.260	1.350	1.440	1.530	1.620	1.710	1.800	1.890	1.980	2.070	2.160	2.250	2.340	2.430	2.520	2.610
	3000	0.190	0.285	0.380	0.475	0.570	0.665	0.760	0.855	0.950	1.045	1.140	1.235	1.330	1.425	1.520	1.615	1.710	1.805	1.900	1.995	2.090	2.185	2.280	2.375	2.470	2.565	2.660	2.755

Model : STL-AB-40 Pressure Drop V/S Face Velocity Graph.



Model : STL-AB-40 Sand Rejection V/S Face Velocity Graph.



Sand Rejection Efficiency Model : STL-AB-40						
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	92%	75%	95%	77%	98%	96%

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

Sand Trap Louver - STL

B-10/20/30/40 Series

Engineering and Performance Data

Performance data includes Air volume Q_v , Effective free area A_k , Total pressure drop and corresponding Face velocities V_f .

Q_v	= Air volume in m^3 /sec.
V_f	= Face velocity in m/s.
V_k	= Free area velocity in m/s
A_k	= Free area in m^2
A_f	= Face area in m^2
P_t	= Pressure drop in inch. w.g

For known quantity of airflow, Face area is calculated as follows :

$$\text{Face area (m}^2\text{/sec)} = \frac{\text{Air Volume } Q_v \text{ (m}^3\text{/sec.)}}{\text{Face velocity } V_f \text{ (m}^3\text{/sec.)}}$$

Where;

$$\text{Face area (m}^2\text{)} = \text{width (m)} \times \text{height (m)}$$

For known free area, face area is calculated as follows :

$$\text{Face area (m}^2\text{)} = \text{Free area (m}^2\text{)} \times 3$$

Ordering Data

STL	Sand Trap Louver						
↑	G	Galvanized Steel					
	S	Stainless Steel					
	A	Aluminium					
	↑	G	Galvanized				
		A	Aluminium				
		S	Stainless Steel				
		↑	B	BETEC CAD.			
			10	Sand Trap Louver (AMCA 500-L)			
			20	Sand Trap Louver (AMCA 500-L)			
			30	Sand Trap Louver Curved Blades			
			40	Sand Trap Louver Heavy Duty			
			↑	1	Up to 100 mm Blade		
				2	Up to 150 mm Blade		
				↑	A	Exposed / Wall mounting Type	
					B	Duct Mounting Type	
					C	Flush Mounting Type	
STL	X	X	B	X	X	X	
	Frame Material	Blade Material		Series	Blade Type	Blade Operation	

Note :

- For blade type, add Series to blade type.
For example: STL-AB-(10+1=11) A =STL-AB-11A.

- If frame and blade material is same, use single alphabet.

Example : STL-AB-11-A , where A = Aluminium Frame and Blade.
STL-GB-11-A , where G = Galvanized Frame and Blade.

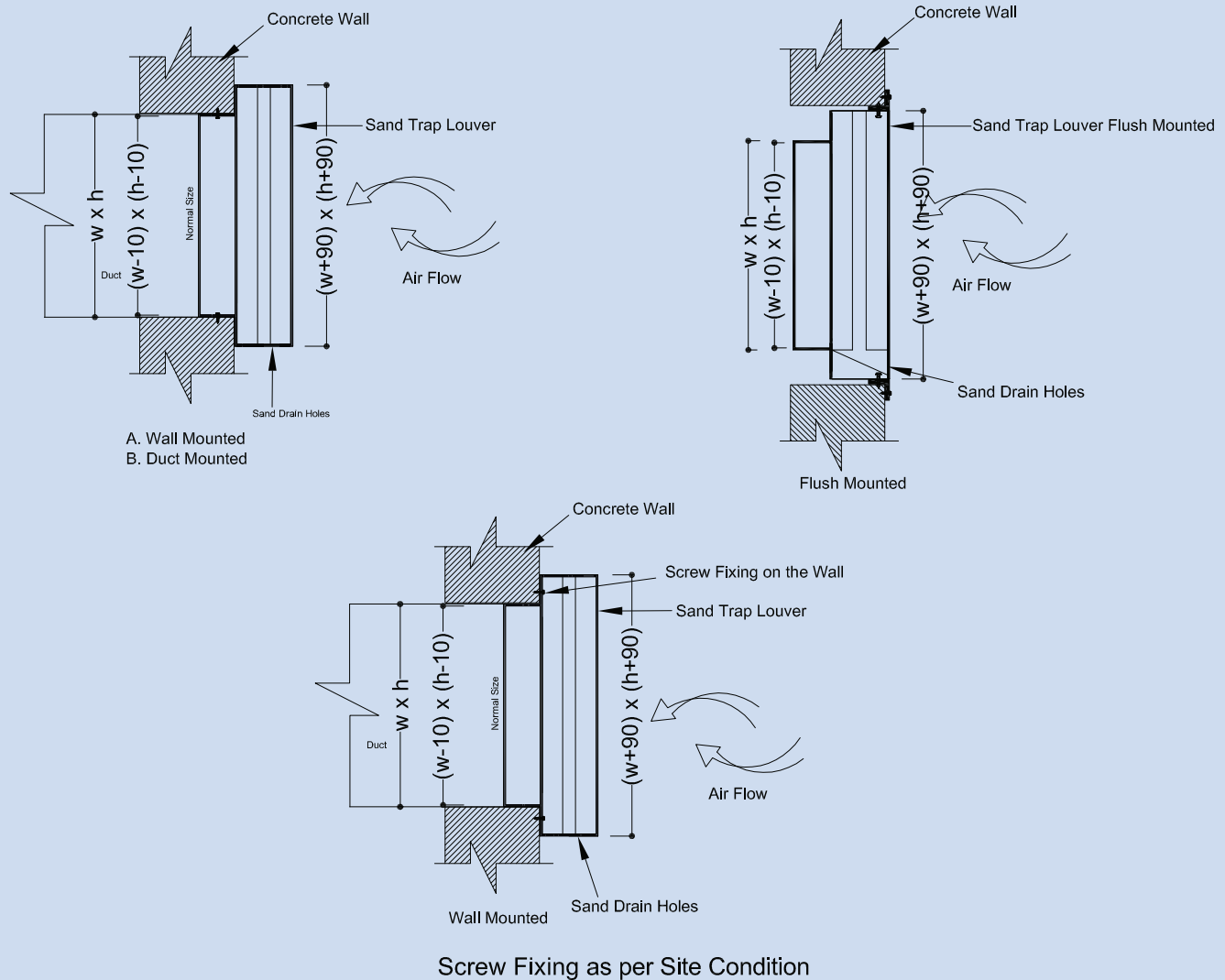
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Sand Trap Louver - STL

B-10/20/30/40 Series

Installation Details



Note :

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

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Sand Trap Louvers

Special Notes:

[illegible]

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





Sand Trap Louvers

Special Notes:

[illegible]

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





Sand Trap Louvers

Special Notes:

[illegible]

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BC-08, March- 2024