DSM-T Acoustical Louver

ASLI Acoustical Louvers, DSM-T are designed for intake and exhaust application where maximum noise reduction is required. The louver frames are 300mm depth and the blades are position at 30° angle.

Matrials

Frame : Galvanized Steel, 1.0mm thickness.
Blade : Galvanized Steel, 1.0mm thickness.
Acoustical Insulation : Fiberglass.

Surface Finish

Baked white powder coated as standard.
Others available upon request

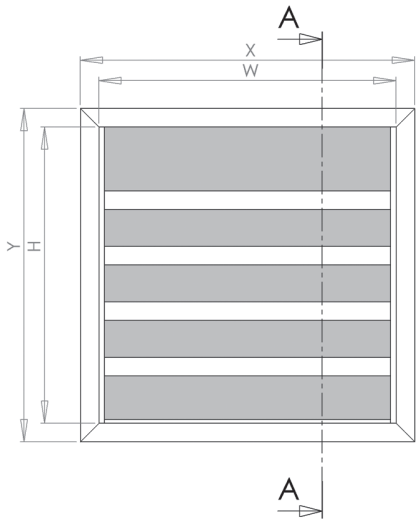
Features

- Approximately 26% free area.
- Low pressure drop.
- 42% free area on the perforated sheet.
- Louver blades positioned at 30° angle.
- Suitable for intake or exhaust air application.
- Architecturally pleasing appearance.

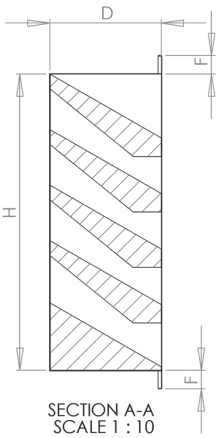
Screen

IS Insect screen.
BS Bird screen.

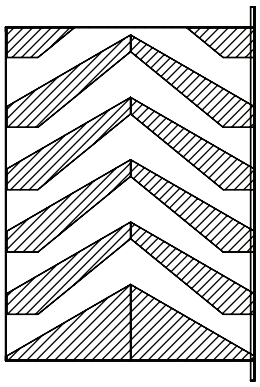
DSM-T Construction Illustrations



Top View



DSM-T (300)
Section View



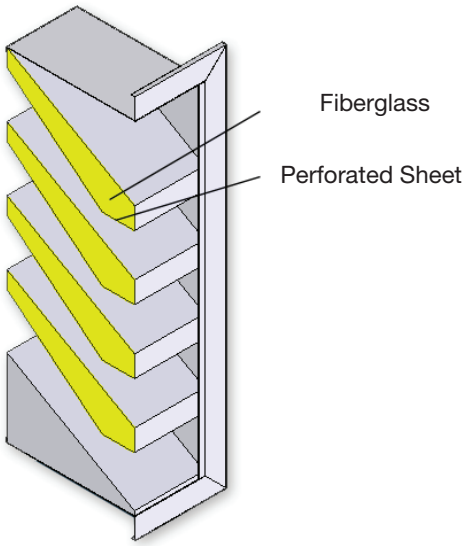
DSM-T (600)
Section View

DSM-T Physical Dimension *Unit : mm*

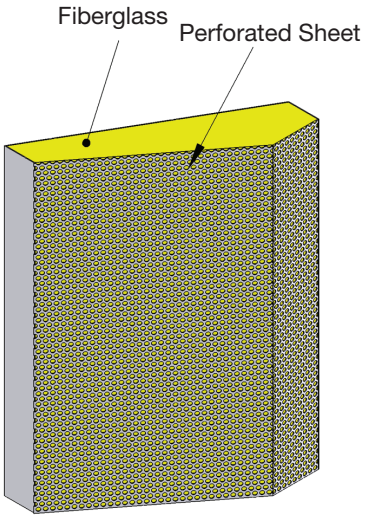
W (Neck Size)	H (Neck Size)	X (Face Size)	Y (Face Size)	D (Depth)	F (Flange)
W	H	W + 100	H + 100	300 / 600	50

DSM-T Acoustical Louver

DSM-T Air Flow Resistance



Cut-Out View of DSM-T



DSM-T Blade

The louver blades are constructed with galvanized steel on exterior surface and perforated sheet on the interior surface that covers fiberglass. The noise transmitted through the louver will be absorbed by the fiberglass. Hence the noise will be greatly reduced.

DSM-T Transmission Loss

Octave Band/ Frequency (Hz)	DSM-T (300)	DSM-T (600)
1 / 63	5	8
2 / 125	5	9
3 / 250	7	12
4 / 500	12	20
5 / 1000	15	28
6 / 2000	19	32
7 / 4000	14	24
8 / 8000	14	23

DSM-T Pressure Drop Data

Model	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
DSM-T (300)	<5	15	27	36	54	70	87	100
DSM-T (600)	<5	18	40	85	150	-	-	-

DSM-T Order Code

Model	Material	Accessories	Neck Size
DSM-T (300)	T	R6	N 600 x 600

Example : DSM - T (300) + R6 - N 600 x 600

DSM-T Suggested Specification

The acoustical louver shall be of ASLI, model DSM-T, constructed of 1.0mm galvanized steel construction with a minimum 25% free area. The depth of the louver shall be 300mm (12 inch). The louver blades shall be constructed with galvanized steel on exterior surface and perforated sheet on the interior surface that covers fiberglass. The perforated sheet on the louver blade shall have minimum 40% free area. The louver blades shall be positioned at 30° angle. The acoustical insulation material shall be fiberglass. The louver shall be powder coated and furnished to architectural requirement.