

### Acoustic Louvers For Your Building and Equipment Ventilation Applications

VAW's Acoustic Louvers (AL) are designed to provide optimal acoustic performance (Transmission Loss) with minimal airflow restrictions (Pressure Drop). Standard acoustic louvers are manufactured from galvanized metal to suit any ventilation opening size. VAW offers a choice of finishes and built materials. Where required by the system or in-field conditions, the acoustic louver may be assembled in a modular fashion and may be manufactured as a hinged door.

#### Typical Acoustic Louver Applications:

- ◆ Plant and mechanical room ventilation
- ◆ Relief air from factories and workshops
- ◆ Ventilation for acoustic enclosures
- ◆ Air conditioning and cooling tower barriers (with airflow)
- ◆ Power generation equipment
- ◆ Outdoor air ventilation systems

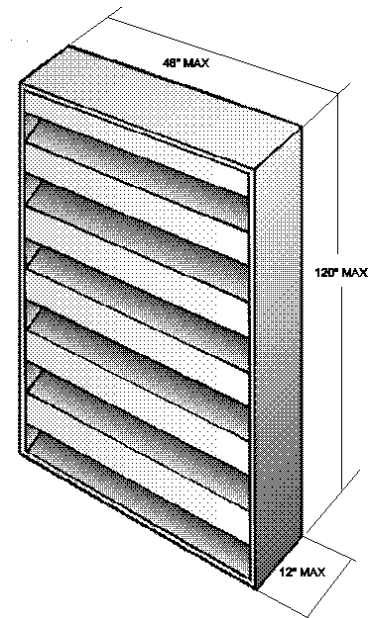
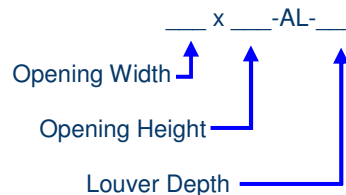
#### Applications Engineering Support:

Contact VAW directly for application engineering support, including an acoustic analysis of your noise control requirements and a quick silencer selection.

#### Standard Features:

- ◆ Casing Materials: 18 ga. galvanized.
- ◆ Depth Range: 4 in. to 12 in. deep (other sizes available).
- ◆ Cross-Section (max. piece size): 48 in. wide by 120 in. tall.
- ◆ Mounting flange and internal stiffeners.
- ◆ Acoustic Grade Fiberglass Media Fill.

#### Specify AL Models:



#### Certified Performance Data:

Depth (in.)	Octave Band Transmission Loss (dB)								Pressure Drop (in.w.g.) at Various Face Velocities					
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	150 fpm	200 fpm	250 fpm	300 fpm	400 fpm	500 fpm
4	4	6	8	11	15	20	16	12	0.03	0.06	0.09	0.13	0.24	0.37
6	5	6	9	12	17	22	18	16	0.04	0.07	0.11	0.16	0.28	0.44
8	6	7	10	14	20	23	21	18	0.03	0.06	0.10	0.14	0.24	0.38
12	7	8	11	16	22	25	23	20	0.03	0.06	0.09	0.13	0.23	0.36

- ◆ Transmission Loss data based on the ASTM E90 standard.
- ◆ Noise Reduction (NR) may be estimated as:  $NR = TL + 6$  (across all frequencies) for a receiver in a free-field.
- ◆ Pressure Drop data based on the AMCA 500-L standard.

#### Construction Options:

- ◆ Heavy Casings: 10, 14 and 16 ga.
- ◆ Casing Materials: stainless steel, satin coat and aluminum construction.
- ◆ 1x1 in. wire mesh protection.
- ◆ Fiberglass cloth media protection.
- ◆ Custom configurations for space and weight restriction applications.
- ◆ Special paint systems.
- ◆ Hinged or door mountings.

#### Accessories:

- ◆ Support brackets.
- ◆ Airflow probes.
- ◆ Access openings.
- ◆ Drainage connections.
- ◆ For special applications, such as high temperature, corrosive or high wind protection, consider VAW's Industrial Silencer product line.
- ◆ For additional performance data and construction options, please contact VAW.

Contact VAW Systems Ltd.:

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