

VIBRON Acoustical Louvers Model VAL

Vibron Model VAL Acoustical Louver is designed for low pressure drop sound attenuation for applications where space is available

Sizes (Width x Height)

2' x 2'	3' x 2'	4' x 2'	5' x 2'	6' x 2'
2' x 3'	3' x 3'	4' x 3'	5' x 3'	6' x 3'
2' x 4'	3' x 4'	4' x 4'	5' x 4'	6' x 4'
2' x 5'	3' x 5'	4' x 5'	5' x 5'	6' x 5'

Note: For larger sizes than listed - contact Vibron

Specifications

Acoustical Louvers, as shown on the contract drawing or as tabulated, shall be installed to reduce sound transmission to occupied areas.

Acoustical Louvers shall be modular and shall consist of (18ga) steel outer casing and (22ga) perforated steel foil liner, all of which have been mill galvanized.

The acoustical absorption media shall be glass fiber packed under compression. The glass fiber shall be a density calculated to provide the published acoustical and aerodynamic performance. Fill material shall be class 1, as tested in accordance with ASTM E-84.

Acoustical Louvers shall be model VAL.

Options

Vibron Acoustical Louvers are available in aluminum, baked enamel and stainless steel at additional cost.



ACOUSTIC LOUVER CERTIFIED PERFORMANCE DATA

ACOUSTIC PERFORMANCE

Type	Thickness (")	NOISE REDUCTION* (dB)						
		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
VAL/1	6	5	7	9	10	10	10	12
VAL/2	6	7	11	15	16	17	18	18
VAL/1	12	7	9	13	16	17	18	18
VAL/2	12	8	14	22	27	30	30	31

AERODYNAMIC PERFORMANCE

Type	Thickness (")	PRESSURE DROP ("W.G.)							
		0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4
		VELOCITY							
VAL/1	6	333	471	577	667	745	817	882	943
VAL/2	6	206	292	358	413	462	506	547	585
VAL/1	12	327	462	566	654	731	801	865	925
VAL/2	12	200	283	346	400	447	490	529	566

* **Noise Reduction** of a louver is the difference between the sound pressure level on the noise source side of the louver and the freefield sound pressure level on the receiver side of the louver.



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