

445RGD5

Stationary Louver

Extruded Aluminum

APPLICATION

The 445RGD5 is a 4" deep extruded aluminum drainable stationary louver with blades at 45° for optimal ventilation.

STANDARD CONSTRUCTION

Frame	4" (102) deep, 6063-T6 extruded aluminum with 0.80" (2) nominal wall thickness for sill and jambs and 0.094" (2.3) nominal wall thickness for the head.
Blades	6063T6 extruded aluminum with .080" (2.0) nominal wall thickness. Drainable blades are positioned at 45° angle and spaced approximately 5" (127) center to center.
Screen	5/8" x 0.40" (16x1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
Finish	Mill.
Installation Angles	2" x 2" x 1/4" x 2" long aluminum clip angles with holes and two #10 self drilling screws (clip to louver) provided loose (clip to wall fasteners not included).
Minimum Size	12"w x 12"h (305 x 305).
Maximum Size	60"w x 60"h (1524 x 1524).
Approximate Shipping Size	4 lbs./ft. ² (20 kg/m ²).

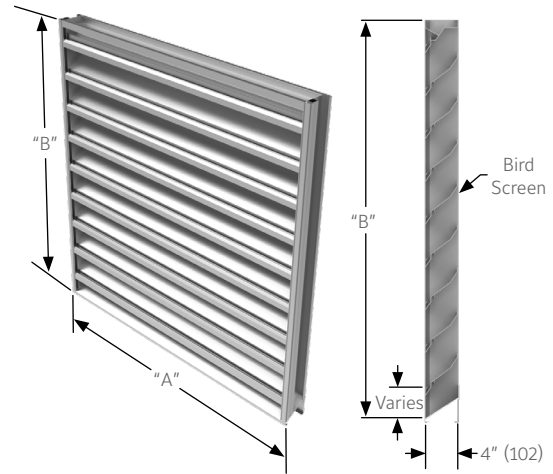
Consult Reliable for additional information.

FEATURES

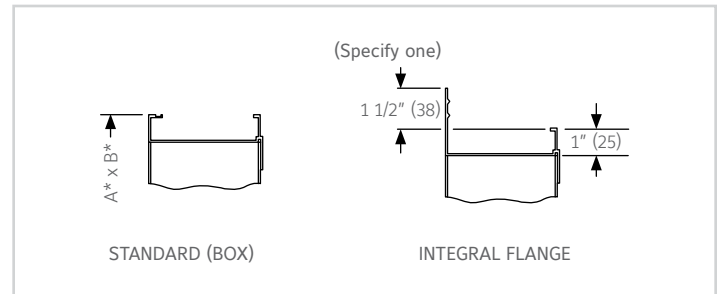
- 45% Free Area
- Weather protection capability
- Drainable blades
- Extruded aluminum construction
- Tested in accordance to AMCA 500-L

VARIATIONS

- Extended sill
- Security bars
- Filter racks
- Blank off panels
- Frame caps
- Optional finishes available at additional cost: Prime coat, 50% PVDF (modified fluoropolymer), Epoxy, Pearledize, 70% PVDF, Clear and Anodized finishes. (Some variation in anodize color consistency is possible)



FRAME CONSTRUCTION



Note:

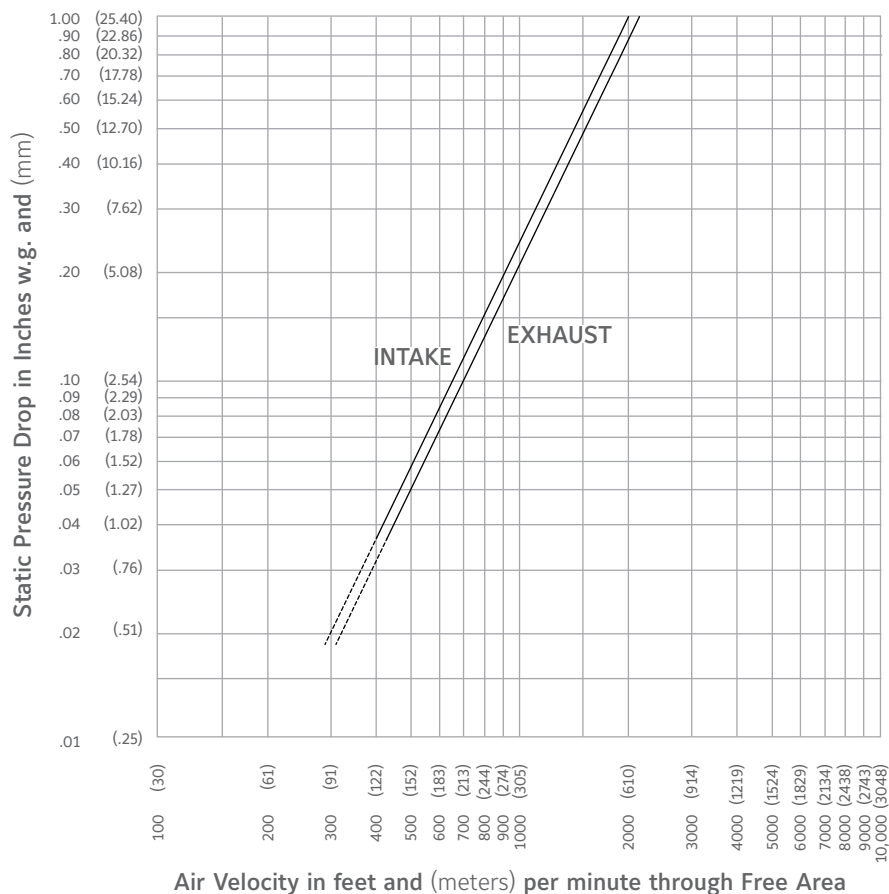
- Dimensions in inches, parenthesis () indicate millimeters.
- Units can be furnished actual size or with size deducts.

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 445RGD5.

	Width – Inches and Meters									
Height – Inches and Meters		12	18	24	30	36	42	48	54	60
		0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
	12	0.17	0.27	0.38	0.48	0.58	0.69	0.79	0.90	1.00
	0.30	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.09
	18	0.43	0.69	0.95	1.20	1.46	1.72	1.98	2.24	2.49
	0.46	0.04	0.06	0.09	0.11	0.14	0.16	0.18	0.21	0.23
	24	0.69	1.11	1.52	1.93	2.35	2.76	3.18	3.59	4.01
	0.61	0.06	0.10	0.14	0.18	0.22	0.26	0.30	0.33	0.37
	30	0.95	1.52	2.09	2.66	3.23	3.81	4.38	4.95	5.52
	0.76	0.09	0.14	0.19	0.25	0.30	0.35	0.41	0.46	0.51
36	1.62	1.94	2.67	3.39	4.12	4.85	5.58	6.30	7.03	
0.91	0.11	0.18	0.25	0.32	0.38	0.45	0.52	0.59	0.65	
42	1.25	2.04	2.83	3.62	4.41	5.20	5.99	6.78	7.57	
1.07	0.12	0.19	0.26	0.34	0.41	0.48	0.56	0.63	0.70	
48	1.58	2.52	3.47	4.42	5.36	6.31	7.26	8.20	9.15	
1.22	0.15	0.23	0.32	0.41	0.50	0.59	0.67	0.76	0.85	
54	1.84	2.94	4.04	5.15	6.25	7.35	8.46	9.56	10.66	
1.37	0.17	0.27	0.38	0.48	0.58	0.68	0.79	0.89	0.99	
60	2.10	3.36	4.62	5.88	7.14	8.40	9.66	10.91	12.17	
1.52	0.20	0.31	0.43	0.55	0.66	0.78	0.90	1.01	1.13	

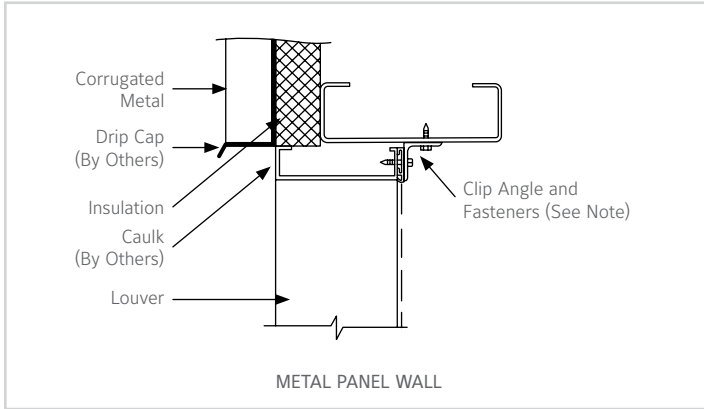
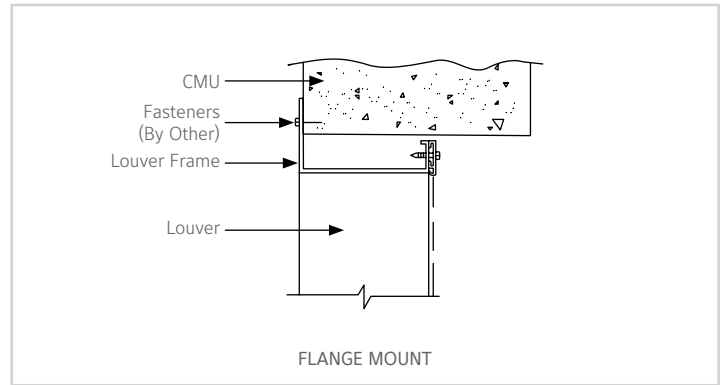
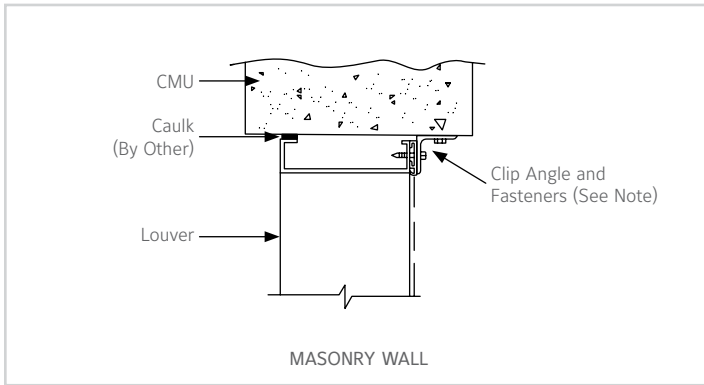
PRESSURE DROP



Ratings do not include the effect of a bird screen.



SUGGESTED INSTALLATION DETAILS



SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be manufactured in an ISO 9001 certified factory. Louvers shall be stationary type contained within a 4" (102) frame. Louver components (heads, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required.

Louvers shall be Reliable Model 445RGD5 construction as follows:

Material

Frame: .080" (2.0) aluminum channel.

Blades: .080" (2.0) nominal wall thickness.

Screen: 3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame. Drainable blades are positioned at 45°.

Finish: Select finish specification from Reliable Finishes Brochure.

LINKS TO IMPORTANT DOCUMENTS

Document Title

Finishes and Color Guide

Limited Warranty Document

RELIABLE

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