



EXTRUDED ALUMINUM LOUVER

MODEL: 4-DL

4" DEPTH DRAINABLE LOUVER

Channel Frame



APPLICATION

The 4-DL is a 4" depth drainable / weather louver for protection of high air intake velocities and exhaust in building exterior walls. The structure of the 4-DL incorporates horizontal blades to channel water to the jambs which directs the water escape at the sill.

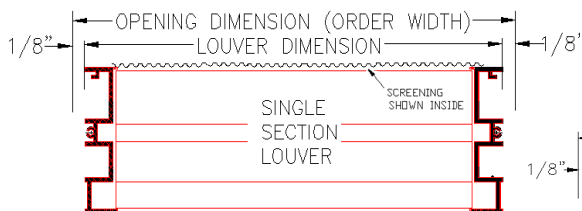
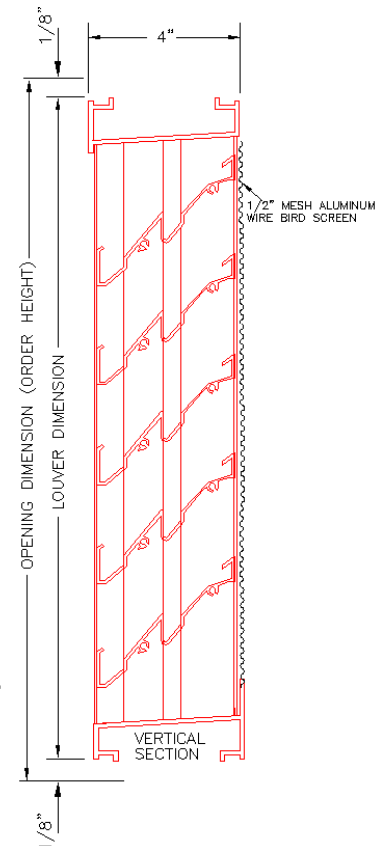
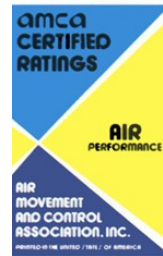
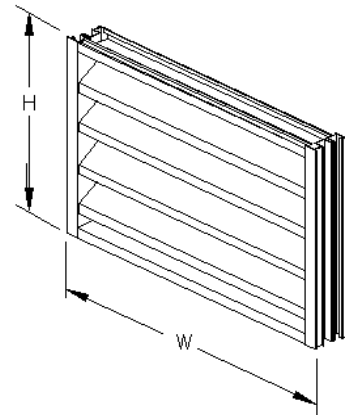
SPECIFICATIONS

- Frame:** 0.081 thick extruded aluminum
6063-T5 mill finish
- Blade:** 0.081 thick extruded aluminum
6063-T5 mill finish
- Blade Spacing:** Approximately 3-1/4" center to center
(except at head and sills)
- Fasteners:** 10" x 3/4" tek screws
- Blade Angle:** 45°
- Min. Height:** 8"
- Max. Single Sec.:** Consult factory for maximum size
- Screen:** Bird screen 1/2" x 1/2" galvanized steel

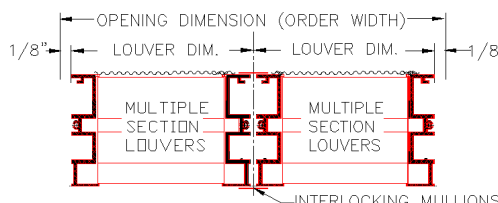
OPTIONS

- Insect Screen 18" x 16" mesh Aluminum
- Bird Screen 1/2" x 1/2" Aluminum

- Finish:** Clear Anodized
- Color Anodized
- Powder Coat Paint
- Baked Enamel Paint



HORIZONTAL SECTION

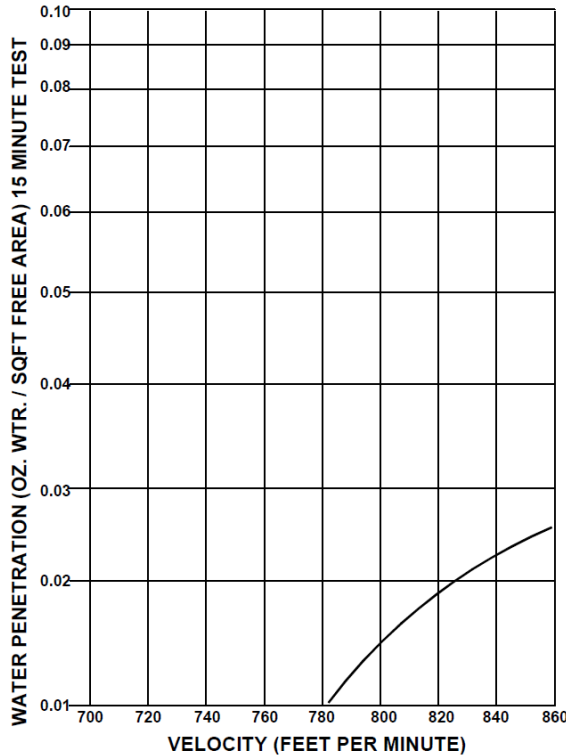




EXTRUDED ALUMINUM LOUVER

Test on a 48"x48' size louver

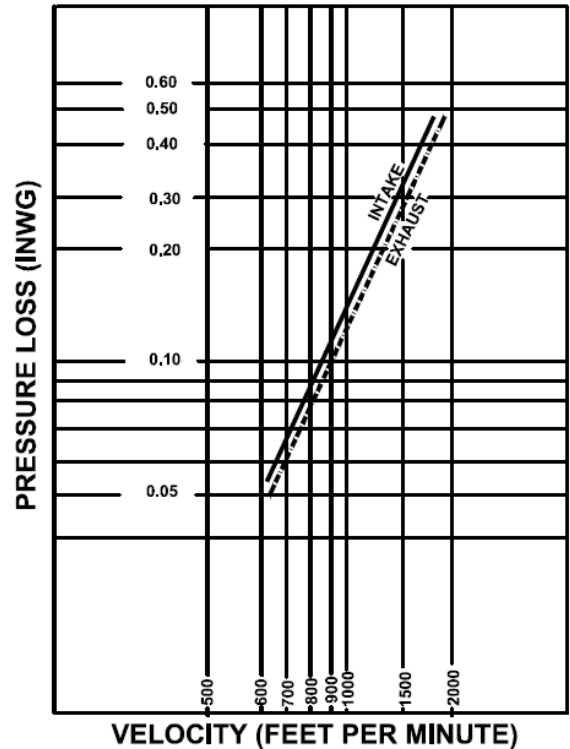
WATER PENETRATION TEST



The beginning point of water penetration is 1059 FPM @ 0.01 OZ/SQ.FT. of free area.

Performance testing in accordance with AMCA STD 500

MODEL: 4-DL & 4-DLF AIR RESISTANCE TEST



Louver size determination

air flow volume	cfm / free area velocity @ beginning point of water penetration	fpm =	ft ² Required Louver Free Area
Select louver size from Free Area Chart below, based on required louver free area above Determine pressure drop from Pressure Drop Chart based on required louver free area above			

FREE AREA IN SQ.FT.

		WIDTH							
		12"	18"	24"	30"	36"	42"	48"	54"
HEIGHT	12"	0.29	0.57	0.77	0.95	1.10	1.29	1.45	1.62
	24"	0.66	1.22	1.68	2.14	2.60	3.08	3.52	3.98
	30"	0.87	1.58	2.17	2.75	3.35	3.94	4.53	5.12
	36"	1.11	1.93	2.65	3.37	4.09	4.82	5.54	6.26
	42"	1.30	2.28	3.13	3.98	4.84	5.69	6.55	7.40
	48"	1.45	2.74	3.77	4.80	5.83	6.85	7.89	8.91
	54"	1.69	3.09	4.25	5.41	6.57	7.73	8.90	10.05
	60"	1.82	3.49	4.80	6.10	7.41	8.72	10.03	11.34
	66"	2.08	3.84	5.28	6.72	8.16	9.60	11.04	12.48
	72"	2.31	4.19	5.76	7.33	8.91	10.48	12.05	13.62
78"	2.39	4.54	6.24	7.95	9.65	11.35	13.05	14.76	
84"	2.63	4.89	6.73	8.58	10.40	12.23	14.07	15.90	
90"	2.70	5.40	7.43	9.45	11.48	13.50	15.53	17.55	



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