

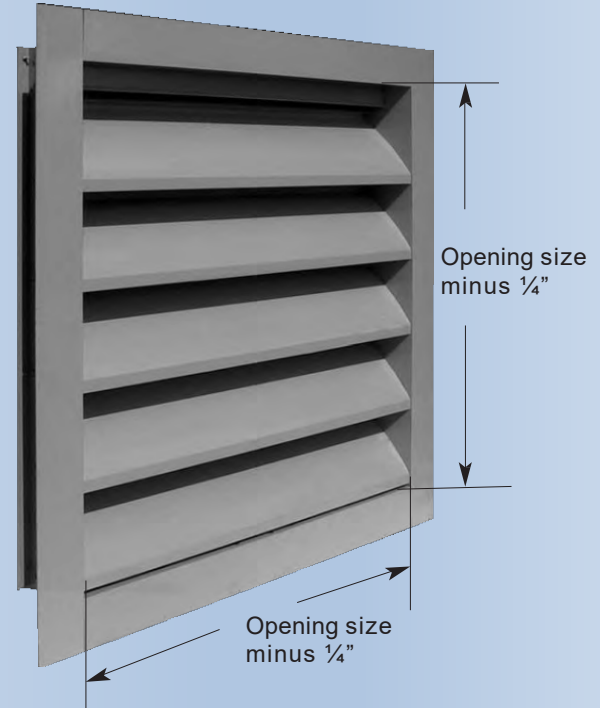


**4" EXTRUDED ALUMINUM CUSTOM LOUVERS**

This louver is equipped with storm-proof blades and is designed for maximum free area. It is made of extruded aluminum, grade 6063 T5. It can be used for a variety of applications and can be custom made to almost any size.

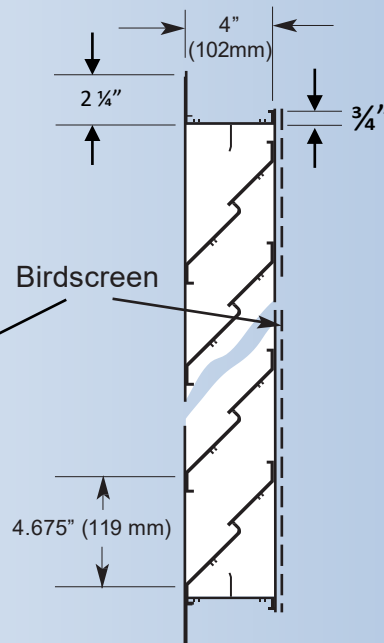
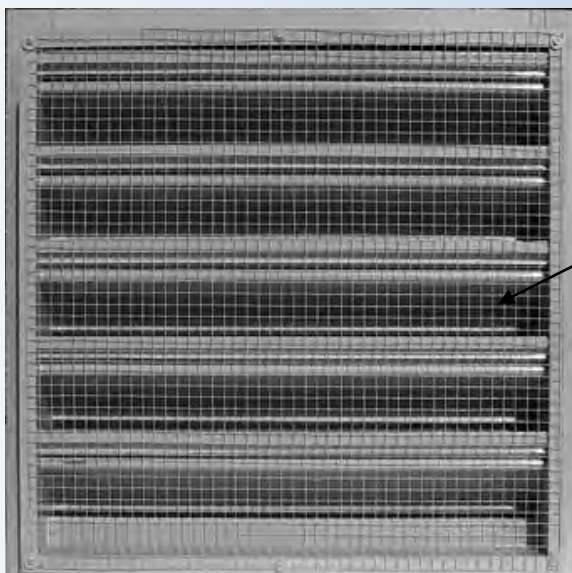
**AMCA water penetration test performance**

LOUVER SIZE	TOTAL AREA	FREE AREA	% FREE AREA
48" X 48"	15.02 ft <sup>2</sup>	7.54 ft <sup>2</sup>	50.2%
Beginning point of water penetration at 0.01 oz./ft <sup>2</sup> free area :			719 FPM



**SPECIFICATIONS**

BLADE MATERIAL	BLADE ANGLE	BLADE CENTER	FRAME MATERIAL	LOUVER DEPTH	BIRD SCREEN
Extruded Al. 0.078" (2.0mm)	45 deg.	4.675" app.	Extruded Al. 0.078" (2.0mm)	4" (102mm)	0.5" X 0.5" 19ga. Galvanized Wire mesh



"Reversomatic manufacturing certifies that the louver 4000 E.A. shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program." The AMCA certified Ratings Seal applies to air performance ratings and water penetration ratings only.

# FREE AREA

		Width (inches)																			
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
N	L →	10.5	16.5	22.5	28.5	34.5	40.5	46.5	52.5	58.5	64.5	70.5	76.5	82.5	88.5	94.5	100.5	106.5	112.5	118.5	
3	Height (inches)	12	0.51	0.80	1.09	1.39	1.68	1.97	2.26	2.55	2.85	3.14	3.43	3.72	4.01	4.30	4.60	4.89	5.18	5.47	5.76
4		18	0.68	1.07	1.46	1.85	2.24	2.63	3.02	3.40	3.79	4.18	4.57	4.96	5.35	5.74	6.13	6.52	6.91	7.29	7.68
6		24	1.02	1.60	2.19	2.77	3.36	3.94	4.52	5.11	5.69	6.27	6.86	7.44	8.02	8.61	9.19	9.78	10.36	10.94	11.53
7		30	1.19	1.87	2.55	3.23	3.91	4.60	5.28	5.96	6.64	7.32	8.00	8.68	9.36	10.04	10.72	11.40	12.09	12.77	13.45
8		36	1.36	2.14	2.92	3.70	4.47	5.25	6.03	6.81	7.59	8.36	9.14	9.92	10.70	11.48	12.26	13.03	13.81	14.59	15.37
9		42	1.53	2.41	3.28	4.16	5.03	5.91	6.78	7.66	8.54	9.41	10.29	11.16	12.04	12.91	13.79	14.66	15.54	16.41	17.29
10		48	1.70	2.67	3.65	4.62	5.59	6.57	7.54	8.51	9.48	10.46	11.43	12.40	13.37	14.35	15.32	16.29	17.26	18.24	19.21
12		54	2.04	3.21	4.38	5.54	6.71	7.88	9.05	10.21	11.38	12.55	13.71	14.88	16.05	17.22	18.38	19.55	20.72	21.88	23.05
13		60	2.21	3.48	4.74	6.01	7.27	8.54	9.80	11.06	12.33	13.59	14.86	16.12	17.39	18.65	19.92	21.18	22.44	23.71	24.97
14		66	2.38	3.74	5.11	6.47	7.83	9.19	10.55	11.92	13.28	14.64	16.00	17.36	18.72	20.09	21.45	22.81	24.17	25.53	26.89
16		72	2.72	4.28	5.84	7.39	8.95	10.50	12.06	13.62	15.17	16.73	18.29	19.84	21.40	22.95	24.51	26.07	27.62	29.18	30.74
18		78	3.06	4.81	6.57	8.32	10.07	11.82	13.57	15.32	17.07	18.82	20.57	22.32	24.07	25.82	27.57	29.33	31.08	32.83	34.58
19		84	3.23	5.08	6.93	8.78	10.63	12.47	14.32	16.17	18.02	19.87	21.71	23.56	25.41	27.26	29.11	30.95	32.80	34.65	36.50
20		90	3.40	5.35	7.29	9.24	11.19	13.13	15.08	17.02	18.97	20.91	22.86	24.80	26.75	28.69	30.64	32.58	34.53	36.47	38.42
22		96	3.74	5.88	8.02	10.16	12.30	14.44	16.58	18.72	20.86	23.00	25.14	27.28	29.42	31.56	33.70	35.84	37.98	40.12	42.26
23	102	3.91	6.15	8.39	10.63	12.86	15.10	17.34	19.57	21.81	24.05	26.29	28.52	30.76	33.00	35.23	37.47	39.71	41.95	44.18	
24	108	4.09	6.42	8.75	11.09	13.42	15.76	18.09	20.43	22.76	25.09	27.43	29.76	32.10	34.43	36.77	39.10	41.44	43.77	46.10	
26	114	4.43	6.95	9.48	12.01	14.54	17.07	19.60	22.13	24.66	27.19	29.71	32.24	34.77	37.30	39.83	42.36	44.89	47.42	49.95	
27	120	4.60	7.22	9.85	12.47	15.10	17.73	20.35	22.98	25.61	28.23	30.86	33.48	36.11	38.74	41.36	43.99	46.61	49.24	51.87	

Here, N is number of blades, L is size of the louver core, Minimum distance between the head & top blade and sill & bottom blade is 0  
All dimensions are in inch.

**Water Penetration of Louver 4000EA**

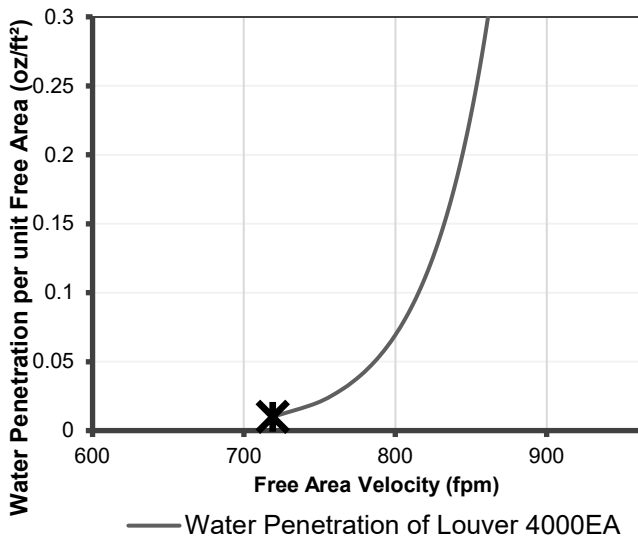


Fig. 5.6. Water penetration test chart

**Intake Pressure Drop Test as per AMCA Standard 500-L  
(Standard air – 0.075 lb/ft³)**

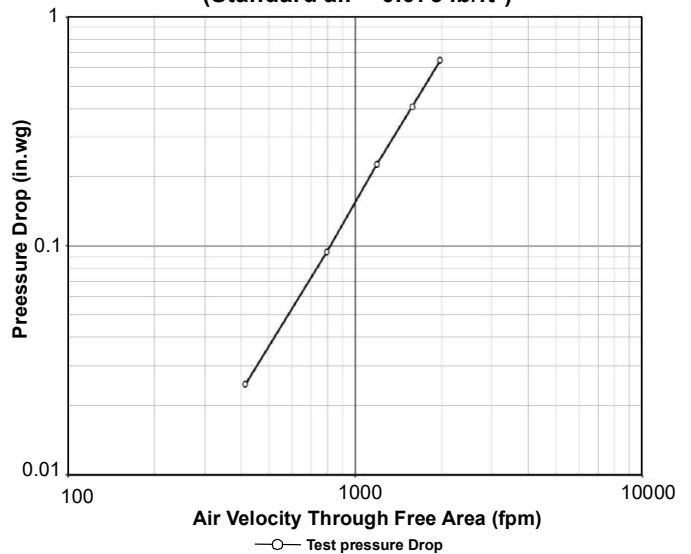


Fig. 5.5. Intake pressure drop test chart

\* Beginning of water penetration around 719.2 fpm

**NOTE:**

AMCA Standard 500 provides a reasonable basics for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover, design with a performance level somewhat below maximum desired pressure drop and 0.1 oz./sq. ft. of water penetration.

Contractor:		<b>Model 4000 E.A.</b>		
Architect:	Job:	Date	Supersedes	Drawing No.
Engineer:	Date Submitted:	16 September, 2020		

**Reversomatic Manufacturing Ltd.**

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