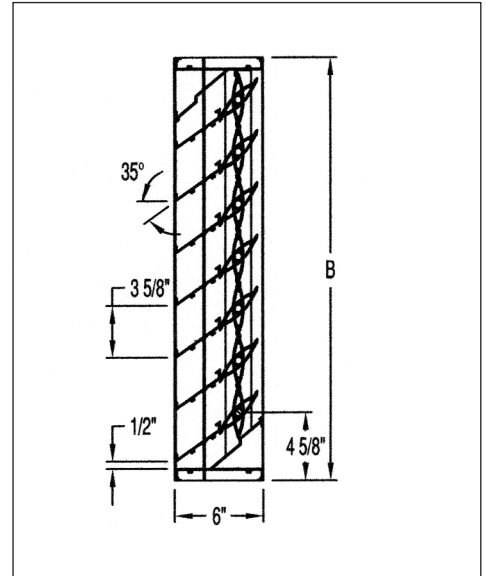
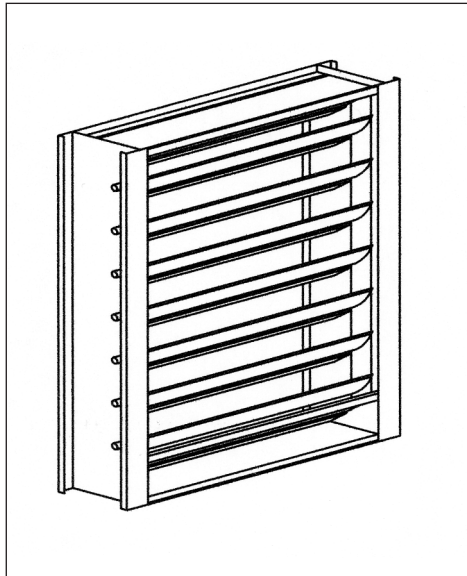
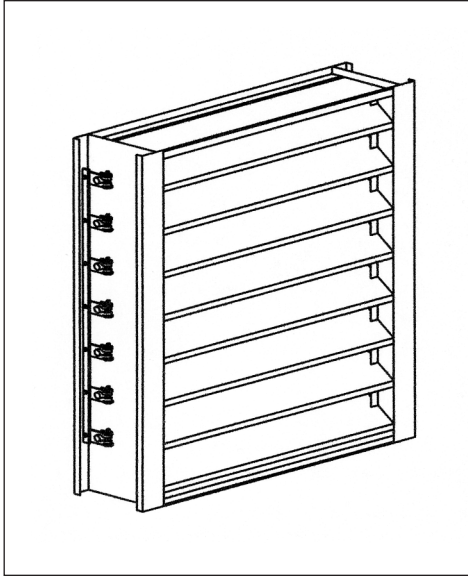




**CERTIFICATION & SUBMITTAL**  
**MODEL 2100 AJUST-O-VENT COMBINATION AIRFOIL DAMPER/LOUVER**  
**Drainable Blade - Low Leakage**



**STANDARD SPECIFICATIONS**

- **FRAME:** .080 6063T5 extruded aluminum.
- **BLADES:** .080 6063T5 extruded aluminum.
- **BIRDSCREEN:** .051 X 3/4" diamond pattern expanded aluminum.
- **AXLES:** 1/2" diameter x 3" long plated steel rod.
- **BEARINGS:** 1/2" diameter self lubricating porous bronze.
  
- **LINKAGE:** Out-of-Airstream 13 ga. steel-flat bar and plated arms.
  
- **BLADE EDGE SEAL:** Santoprene thermoplastic rubber.
- **SIDE SEALS:** Spring stainless steel.
- **FINISH:** Standard Mill.
- **MAXIMUM SINGLE SECTION:** 60" x 60", 48" x 72", 24" x 96"
- **MINIMUM SIZE:** 12" x 12"

**OPTIONS**

- 07 Silicone Blade Seals.
- 12 Nylon Bearings (Bushings)
- 13 Stainless Steel Bearings (Bushings)
- 31 Flange.
- 32 Multiple Section.
- 34 Buck Frame (requires flanged frame).
- 35 Sill Extension.
- 40 Standard Screen in removable frame.
- 42 18 x 16 Mesh aluminum insect screen.
- 44 1/2" x 1/2" x 16 gauge S.S. screen.
- 45 1/2" x 1/2" x .063 aluminum screen.
- 89 Sleeve.
- 92 Operators.

**PERFORMANCE DATA MODEL 2100  
EXTRUDED ALUMINUM COMBINATION AIRFOIL DAMPER/LOUVER  
Drainable Blade - Low Leakage**

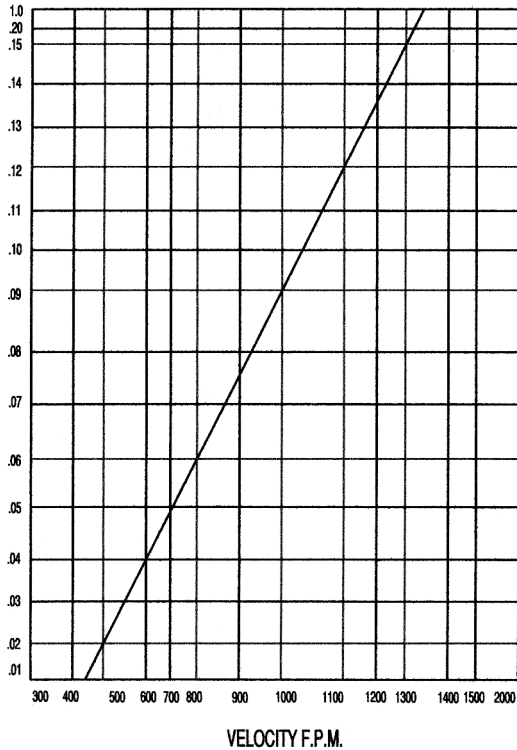
**FREE AREA CHART**

**A - WIDTH (In Inches)**

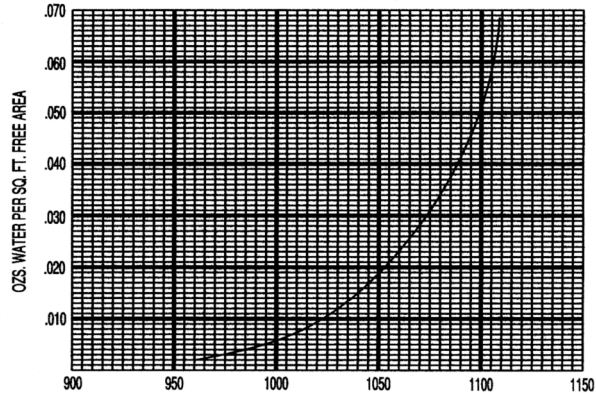
B - HEIGHT (In Inches)	A - WIDTH (In Inches)													
	12	16	20	24	28	32	36	40	44	48	52	56	60	
12	.15	.22	.30	.37	.45	.52	.60	.67	.75	.82	.90	.97	1.05	
16	.27	.40	.54	.68	.81	.95	1.08	1.22	1.36	1.49	1.63	1.76	1.90	
20	.51	.77	1.02	1.28	1.54	1.80	2.06	2.31	2.57	2.83	3.09	3.35	3.60	
24	.63	.95	1.27	1.59	1.90	2.22	2.54	2.86	3.18	3.50	3.82	4.14	4.46	
28	.75	1.13	1.51	1.89	2.27	2.65	3.03	3.41	3.79	4.17	4.55	4.93	5.31	
32	.87	1.31	1.75	2.19	2.63	3.07	3.51	3.96	4.40	4.84	5.28	5.72	6.16	
36	.99	1.49	1.99	2.49	3.00	3.50	4.00	4.50	5.01	5.51	6.01	6.51	7.01	
40	1.11	1.67	2.24	2.80	3.36	3.92	4.49	5.05	5.61	6.18	6.74	7.30	7.87	
44	1.23	1.85	2.48	3.10	3.73	4.35	4.97	5.60	6.22	6.85	7.47	8.09	8.72	
48	1.35	2.03	2.72	3.40	4.09	4.77	5.46	6.15	6.83	7.52	8.20	8.89	9.57	
52	1.47	2.22	2.96	3.71	4.45	5.20	5.95	6.69	7.44	8.19	8.93	9.68	10.42	
56	1.59	2.40	3.20	4.01	4.82	5.63	6.43	7.24	8.05	8.85	9.66	10.47	11.28	
60	1.83	2.76	3.69	4.62	5.55	6.48	7.41	8.33	9.26	10.19	11.12	12.05	12.98	
64	1.95	2.94	3.93	4.92	5.91	6.90	7.89	8.88	9.87	10.86	11.85	12.84	13.83	
68	2.07	3.12	4.17	5.22	6.28	7.33	8.38	9.43	10.48	11.53	12.58	13.63	14.69	
72	2.13	3.21	4.29	5.37	6.46	7.54	8.62	9.70	10.78	11.86	12.94	14.03	15.11	
76	2.19	3.30	4.41	5.53	6.64	7.75	8.86	9.98	11.09	12.20	13.31	14.43	15.54	
80	2.31	3.48	4.66	5.83	7.00	8.18	9.35	10.52	11.70	12.87	14.04	15.22	16.39	
84	2.43	3.66	4.90	6.13	7.37	8.60	9.84	11.07	12.31	13.54	14.77	16.01	17.24	
88	2.55	3.85	5.14	6.44	7.73	9.03	10.32	11.62	12.91	14.21	15.51	16.80	18.10	
92	2.67	4.03	5.38	6.74	8.10	9.45	10.81	12.17	13.52	14.88	16.24	17.59	18.95	
96	2.79	4.21	5.63	7.04	8.46	9.88	11.30	12.71	14.13	15.55	16.91	18.38	19.80	

**FREE AREA (Sq. Ft.)**

**PRESURE DROP TEST**



**WATER PENETRATION TEST**

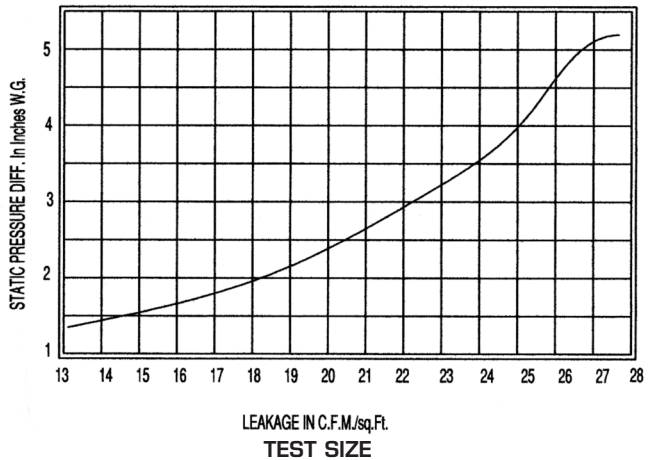


**The Beginning of Water Penetration is 960 F.P.M.**

It is possible for moisture to penetrate louvers under adverse atmospheric conditions. For critical applications, drained ductwork or other means of drainage is recommended.

Data shown does not include effects of birdscreen.

**AIR LEAKAGE FLOW RATE TEST**



LEAKAGE IN C.F.M./sq.Ft.  
**TEST SIZE**

48" X 48" X 6" holding torque applied 4 in.lb./S.F. damper area.

**RECOMMENDED MAXIMUM INTAKE VELOCITY 1000 F.P.M**