

MODEL CFL-D-6

HIGH PERFORMANCE COMBINATION LOUVER/DAMPER 6"

STANDARD CONSTRUCTION:

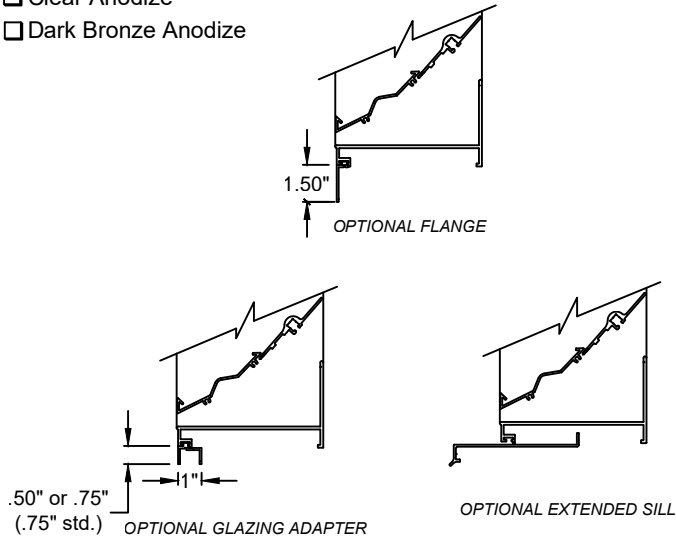
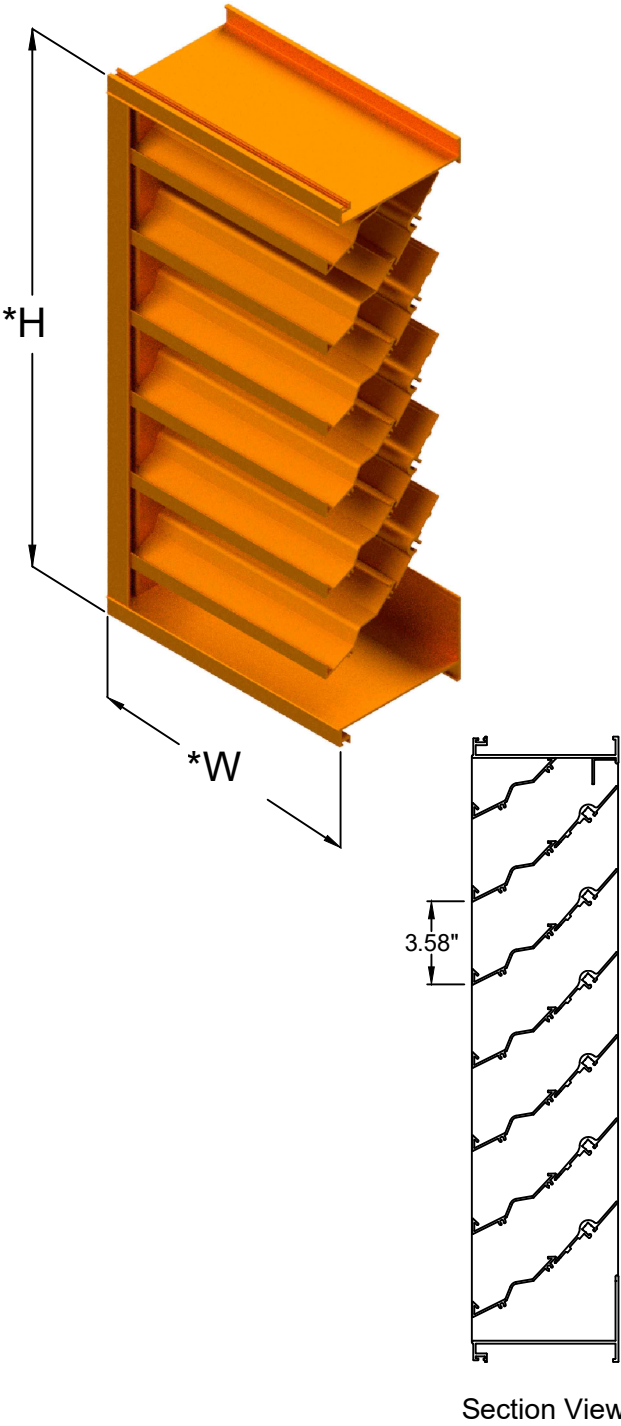
- FRAME: .125" Extruded Aluminum 6.20" deep.
- ADJUSTABLE BLADE: .125" Extruded Aluminum
- FIXED BLADE: .081 Extruded Aluminum Positioned on a 37° angle on approximately 3.58" centers.
- LINKAGE: Jamb Linkage
- BIRDSCREEN:
.50" X .050 Flattened Aluminum in Removable Frame.
Screen is mounted on inside (rear) as looking from exterior of building.
- FINISH: Mill aluminum (std.)
- MINIMUM SIZE: 12"w x 12"h
- MAXIMUM SIZE:
Factory assembled multi-section max: 84"w x 120"h or 120"w x 84"h
60"w x 120"h single section
Larger sizes are field assembled.

OPTIONS:

- ☐ Flanged Frame (1.5" std.)
- ☐ Custom Flange (1", 2", or 3")
- ☐ Glazing Adapter (.50" or .75")
- ☐ Extended Sill
- ☐ Hinged Sub Frame
- ☐ Filter Racks (no screen)
- ☐ .125" Construction
- ☐ Blank-off, Alum., non-insulated, no screen, non-removeable
- ☐ Blank-off, Alum., non-insulated, with bird screen or insect screen
- ☐ Blank-off, Alum., insulated double wall, with bird screen, removable
- ☐ Blank-off, Alum., insulated double wall, no screen, non-removeable
- ☐ Actuator: See Actuator Selection Chart
- ☐ Blade Seals
- ☐ Stainless Steel Compression Jamb Seals
- ☐ Insect Screen
- ☐ Security Bars

AVAILABLE FINISHES:

- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



*Width and Height dimensions are approximately 1/4" [6.35mm] under listed size.

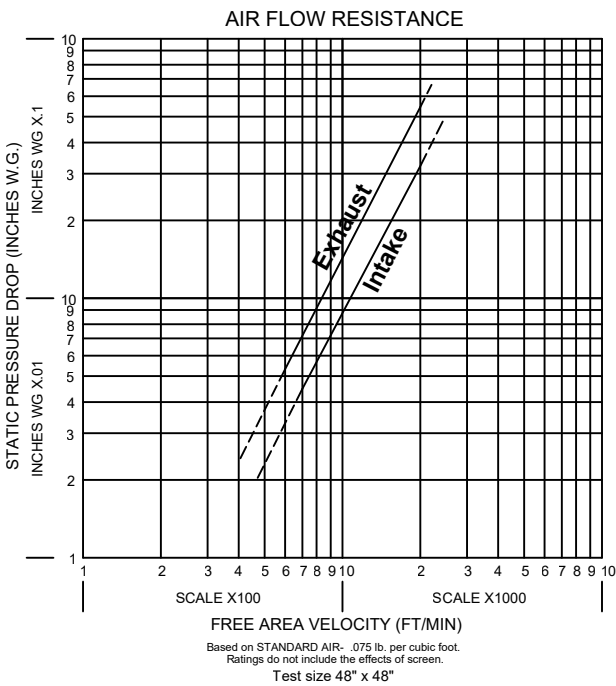
S&P

Air Control

MODEL CFL-D-6 (High Performance Combination Louver/Damper 6")

DRAWN BY: CLJ	DATE: April 2000	REV. DATE: March 2026	REV. NO. 8	APPROVED BY:	DWG. NO.: A-32
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Due to continuing research, S&P reserves the right to change specifications without notice.



FREE AREA CHART (SQUARE FEET)

Louver Height Inches	Louver Width Inches									Louver Height Inches
	12	18	24	30	36	42	48	54	60	
12	0.19	0.31	0.43	0.55	0.67	0.78	0.90	1.02	1.14	12
18	0.42	0.69	0.95	1.22	1.48	1.75	2.01	2.28	2.54	18
24	0.70	1.13	1.57	2.01	2.45	2.88	3.32	3.76	4.20	24
30	0.90	1.46	2.02	2.59	3.15	3.71	4.28	4.84	5.40	30
36	1.11	1.81	2.51	3.20	3.90	4.60	5.30	6.00	6.70	36
42	1.39	2.26	3.13	4.00	4.88	5.75	6.62	7.49	8.36	42
48	1.59	2.58	3.58	4.58	5.57	6.57	7.57	8.56	9.56	48
54	1.79	2.91	4.03	5.15	6.28	7.40	8.52	9.64	10.77	54
60	2.08	3.39	4.69	6.00	7.30	8.61	9.92	11.22	12.53	60
66	2.28	3.71	5.14	6.57	8.00	9.43	10.86	12.30	13.73	66
72	2.44	3.97	5.50	7.03	8.56	10.09	11.62	13.15	14.68	72
78	2.77	4.51	6.25	7.99	9.73	11.47	13.21	14.95	16.69	78
84	2.97	4.83	6.69	8.56	10.42	12.28	14.15	16.01	17.87	84
90	3.18	5.17	7.17	9.17	11.16	13.16	15.16	17.15	19.15	90
96	3.46	5.64	7.81	9.99	12.16	14.34	16.51	18.69	20.86	96
102	3.66	5.95	8.25	10.55	12.85	15.14	17.44	19.74	22.04	102
108	3.87	6.30	8.73	11.16	13.58	16.01	18.44	20.87	23.30	108
114	4.16	6.77	9.39	12.00	14.61	17.23	19.84	22.45	25.07	114
120	4.35	7.08	9.81	12.54	15.28	18.01	20.74	23.47	26.20	120

Beginning point of **WATER PENETRATION** for **MODEL CFL-D-6** lies above 1250 fpm free area velocity at .01 oz. of water (penetration)

TEST SIZE: 48" X 48" - 15 MINUTE TEST DURATION

SUGGESTED SPECIFICATION

Finish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be combination louver/dampers drainable type with drain gutters in each blade and downspouts in jambs and mullions. Stationary drainable blades shall be contained within a 6.20" 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 provided overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30 lbs. per sq. ft. (equivalent of a 110 mph wind).

Louvers shall be S&P CFL-D-6 6063T5 aluminum construction as follows:

FRAME: 6.20" deep, .125" nominal wall thickness

ADJUSTABLE BLADES: .125" extruded aluminum

FIXED BLADES: .081" nominal wall thickness. Blades are positioned at 37° angle and spaced approximately 3.58" center to center.

SCREEN: 0.5" x .050" (19 x 1.3) expanded, flattened aluminum in removable frame.

FINISH: Select finish specification from S&P Finishes brochure.

PERFORMANCE DATA

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 .01 oz./sq. ft. of water penetration.

MODEL CFL-D-6 was tested for air leakage in an independent laboratory in accordance with AMCA 500-L

