

EXTRUDED ALUMINUM STATIONARY LOUVER
2" (51) DEEP • DRAINABLE BLADE
MODEL: DBE-02

Model DBE-02 Thinline drainable blade louvers combine excellent weather protection with pleasing aesthetics. The drainable blade design is enhanced by the drainable head feature, which utilizes a large rain gutter that diverts collected water down concealed side downspouts and out through the sill. This drainable louver delivers outstanding performance where a 4" (102) or 6" (152) louver is not practical. Suitable for use in ventilation, exhaust and low to medium velocity intake applications where water penetration is a concern, ideal for use in thin wall and curtain wall applications or A/C units where a full depth louver cannot be used. Available in channel, flanged, or glazing adaptor type, the 2" (51) deep frame installs easily in most common wall and mechanical configurations.

STANDARD CONSTRUCTION:

- FRAME:** 2" (51) deep, Type 6063-T6 extruded aluminum, .060" (1.5) nominal wall thickness. Integral downspouts and caulking slot provided.
- BLADES:** Type 6063-T6 extruded aluminum, .060" (1.5) nominal wall thickness, with reinforcing bosses.
- BLADE ANGLE:** Fixed at 45 degrees.
- BLADE SPACING:** Approximately 2 1/4" (57) on centers.
- BLADE SUPPORT BRACKETS:** Concealed type, factory installed on rear of louver on maximum 50" (1270) centers. Reinforced with 1" x 1" (25 x 25) angle (adds approx. 1" [25] to overall louver depth).
- MULLIONS:** Concealed type allowing continuous line appearance up to 120" (3048) wide. Larger assemblies require separate visible frames with downspouts.
- SCREEN:** 3/4" x .051 (19 x 1.3) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approximately 3/8" [10] to louver depth).
- FINISH:** Mill.
- MINIMUM SIZE:** 8" W x 8" H (203 x 203).
- MAXIMUM SINGLE SECTION SIZE:** 120" W x 84" H (3048 x 2134) or 84" W x 120" H (2134 x 3048). 70 sq. ft. (6.5m²). Larger louvers will require field assembly of smaller sections.

OPTIONS:

- FL** Flanged Frame.
- GA** Glazing Adaptor.
- BSSS** Type 304 S.S. Bird Screen.
- BSN** No Bird Screen.
- ISA** Aluminum Insect Screen.
- ISSS** Type 304 S.S. Insect Screen.
- WE** Welded Construction.
- ESI** Extended Sill.
- FR1** 1" (25) Filter Rack.
- FR2** 2" (51) Filter Rack.
- PAC** Perimeter Anchor Clips.
- Other:** _____

OPTIONAL FINISHES:

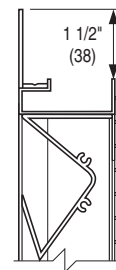
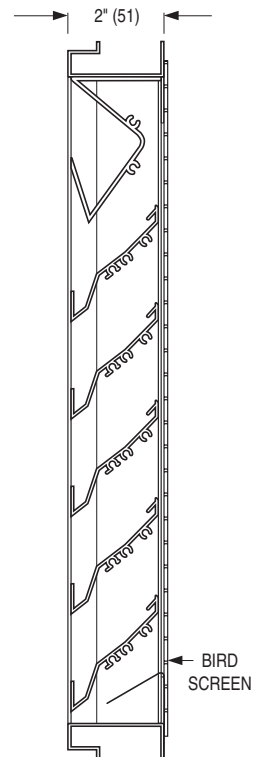
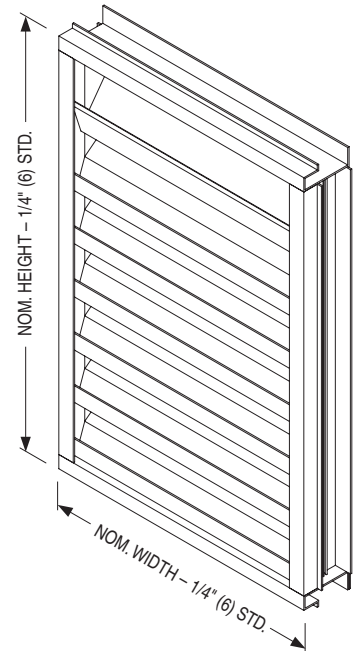
- PC3** Powder Coat AAMA 2603. Color: _____.
- PC4** High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: _____.
- PC5** Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: _____.
- PCC** Prime Coat.
- AN04** Clear Anodized 204-R1.
- AN15** Clear Anodized 215-R1.

Color Anodized:

- ANLB** Light Bronze.
- ANDB** Dark Bronze.
- ANMB** Medium Bronze.
- ANBK** Black.

OPTIONAL W x H SIZING (1/4" [6.5] Undersize standard):

- U00** Exact Size.
- U38** Undersize 3/8" (9.5).
- U50** Undersize 1/2" (12.7).



FLANGED FRAME (FL)
(OPTIONAL)

← BIRD SCREEN

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

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Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
3 - 3 - 23	LOUVER	NEW	DBE-02



**EXTRUDED ALUMINUM STATIONARY LOUVER
2" (51) DEEP • DRAINABLE BLADE
PERFORMANCE DATA
MODEL: DBE-02**

FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																			
		8 0.20	12 0.30	18 0.46	24 0.61	30 0.76	36 0.91	42 1.07	48 1.22	54 1.37	60 1.52	66 1.68	72 1.83	78 1.98	84 2.13	90 2.29	96 2.44	102 2.59	108 2.74	114 2.90	120 3.05
Height in Inches and Meters	8 0.20	0.07 0.01	0.12 0.01	0.19 0.02	0.27 0.02	0.34 0.03	0.41 0.04	0.49 0.05	0.56 0.05	0.63 0.06	0.70 0.07	0.78 0.08	0.85 0.09	0.92 0.09	1.00 0.10	1.07 0.11	1.14 0.11	1.21 0.11	1.29 0.12	1.36 0.13	1.43 0.13
	12 0.30	0.15 0.01	0.25 0.02	0.40 0.04	0.55 0.05	0.70 0.07	0.85 0.08	1.01 0.09	1.16 0.11	1.31 0.12	1.46 0.14	1.61 0.15	1.76 0.16	1.91 0.18	2.06 0.19	2.21 0.21	2.36 0.22	2.51 0.23	2.67 0.25	2.82 0.26	2.97 0.28
	18 0.46	0.27 0.03	0.45 0.04	0.73 0.07	1.00 0.09	1.27 0.12	1.54 0.14	1.81 0.17	2.08 0.19	2.36 0.22	2.63 0.24	2.90 0.27	3.17 0.29	3.44 0.32	3.72 0.35	3.99 0.37	4.26 0.40	4.53 0.42	4.80 0.45	5.08 0.47	5.35 0.50
	24 0.61	0.39 0.04	0.65 0.06	1.05 0.10	1.44 0.13	1.83 0.17	2.22 0.21	2.61 0.24	3.01 0.28	3.40 0.32	3.79 0.35	4.18 0.39	4.57 0.42	4.97 0.46	5.36 0.50	5.76 0.53	6.14 0.57	6.53 0.61	6.93 0.64	7.32 0.68	7.71 0.72
	30 0.76	0.54 0.05	0.90 0.08	1.44 0.13	1.98 0.18	2.52 0.23	3.06 0.28	3.60 0.33	4.14 0.38	4.68 0.43	5.22 0.49	5.76 0.54	6.30 0.59	6.84 0.64	7.38 0.69	7.92 0.74	8.46 0.79	9.00 0.84	9.54 0.89	10.08 0.94	10.62 0.99
	36 0.91	0.66 0.06	1.10 0.10	1.76 0.16	2.42 0.22	3.08 0.29	3.74 0.35	4.40 0.41	5.06 0.47	5.72 0.53	6.38 0.59	7.04 0.65	7.70 0.72	8.36 0.78	9.02 0.84	9.68 0.90	10.34 0.96	11.00 1.02	11.66 1.08	12.32 1.14	12.98 1.21
	42 1.07	0.78 0.07	1.30 0.12	2.08 0.19	2.86 0.27	3.64 0.34	4.42 0.41	5.20 0.48	5.98 0.56	6.76 0.63	7.54 0.70	8.32 0.77	9.10 0.85	9.88 0.92	10.66 0.99	11.44 1.06	12.22 1.14	13.00 1.21	13.78 1.28	14.56 1.35	15.34 1.43
	48 1.22	0.93 0.09	1.55 0.14	2.48 0.23	3.41 0.32	4.34 0.40	5.27 0.49	6.20 0.58	6.91 0.64	8.06 0.75	8.99 0.83	9.92 0.92	10.84 1.01	11.77 1.09	12.70 1.18	13.63 1.27	14.56 1.35	15.49 1.44	16.42 1.53	17.35 1.61	18.28 1.70
	54 1.37	1.05 0.10	1.75 0.16	2.80 0.26	3.85 0.36	4.90 0.45	5.95 0.55	7.00 0.65	8.05 0.75	9.10 0.84	10.15 0.94	11.19 1.04	12.24 1.14	13.29 1.23	14.34 1.33	15.39 1.43	16.44 1.53	17.49 1.62	18.54 1.72	19.59 1.82	20.64 1.92
	60 1.52	1.17 0.11	1.95 0.18	3.12 0.29	4.29 0.40	5.46 0.51	6.62 0.62	7.79 0.72	8.96 0.83	10.13 0.94	11.30 1.05	12.47 1.16	13.64 1.27	14.81 1.38	15.98 1.48	17.15 1.59	18.32 1.70	19.48 1.81	20.65 1.92	21.82 2.03	22.99 2.14
	66 1.68	1.32 0.12	2.20 0.20	3.52 0.33	4.84 0.45	6.15 0.57	7.47 0.69	8.79 0.82	10.11 0.94	11.43 1.06	12.75 1.18	14.07 1.31	15.39 1.43	16.71 1.55	18.02 1.67	19.34 1.80	20.66 1.92	21.98 2.04	23.30 2.16	24.62 2.29	25.94 2.41
	72 1.83	1.44 0.13	2.40 0.22	3.84 0.36	5.27 0.49	6.71 0.62	8.15 0.76	9.59 0.89	11.03 1.02	12.47 1.16	13.90 1.29	15.34 1.43	16.78 1.56	18.22 1.69	19.66 1.83	21.10 1.96	22.54 2.09	23.97 2.23	25.41 2.36	26.84 2.49	28.28 2.63
	78 1.98	1.65 0.15	2.76 0.26	4.41 0.41	6.06 0.56	7.71 0.72	9.37 0.87	11.02 1.02	12.67 1.18	14.33 1.33	15.98 1.48	17.63 1.64	19.29 1.79	20.94 1.95	22.59 2.10	24.25 2.25	25.90 2.41	27.55 2.56	29.20 2.71	30.86 2.87	32.51 3.02
	84 2.13	1.85 0.17	3.09 0.29	4.94 0.46	6.80 0.63	8.65 0.80	10.51 0.98	12.36 1.15	14.22 1.32	16.07 1.49	17.92 1.67	19.78 1.84	21.63 2.01	23.49 2.18	25.34 2.35	27.20 2.53	29.05 2.70	30.90 2.87	32.76 3.04	34.61 3.22	36.47 3.39
	90 2.29	1.83 0.17	3.05 0.28	4.88 0.45	6.71 0.62	8.54 0.79	10.37 0.96	12.20 1.13	14.04 1.30	15.87 1.47	17.70 1.64	19.53 1.81	21.36 1.98	23.19 2.15	25.02 2.32	26.85 2.49	28.68 2.66	30.51 2.83	32.34 3.00	34.17 3.17	36.00 3.34
	96 2.44	1.95 0.18	3.25 0.30	5.19 0.48	7.14 0.66	9.09 0.84	11.04 1.03	12.99 1.21	14.93 1.39	16.88 1.57	18.83 1.75	20.78 1.93	22.72 2.11	24.67 2.29	26.62 2.47	28.57 2.65	30.52 2.83	32.46 3.02	34.41 3.20	36.36 3.38	38.31 3.56
	102 2.59	2.10 0.19	3.50 0.32	5.59 0.52	7.69 0.71	9.79 0.91	11.89 1.10	13.98 1.30	16.08 1.49	18.18 1.69	20.28 1.88	22.37 2.08	24.47 2.27	26.57 2.47	28.67 2.66	30.76 2.86	32.86 3.05	34.96 3.25	37.06 3.44	39.15 3.64	41.25 3.83
	108 2.74	2.22 0.21	3.70 0.34	5.91 0.55	8.13 0.76	10.35 0.96	12.57 1.17	14.79 1.37	17.00 1.58	19.22 1.79	21.44 1.99	23.66 2.20	25.87 2.40	28.09 2.61	30.31 2.82	32.53 3.02	34.75 3.23	36.96 3.43	39.18 3.64	41.40 3.85	43.62 4.05
	114 2.90	2.34 0.22	3.90 0.36	6.23 0.58	8.57 0.80	10.91 1.01	13.25 1.23	15.59 1.45	17.93 1.67	20.26 1.88	22.60 2.10	24.94 2.32	27.28 2.53	29.62 2.75	31.95 2.97	34.29 3.19	36.63 3.40	38.97 3.62	41.31 3.84	43.64 4.05	45.98 4.27
	120 3.05	2.49 0.23	4.14 0.39	6.63 0.62	9.12 0.85	11.61 1.08	14.09 1.31	16.58 1.54	19.07 1.77	21.55 2.00	24.04 2.23	26.53 2.46	29.01 2.70	31.50 2.93	33.99 3.16	36.47 3.39	38.96 3.62	41.45 3.85	43.93 4.08	46.42 4.31	48.91 4.54



SCHEDULE TYPE:	Page 2 of 3			
PROJECT:	Dimensions are in inches (mm).			
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	3 - 3 - 23	LOUVER	NEW	DBE-02

AIRFLOW/ WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size

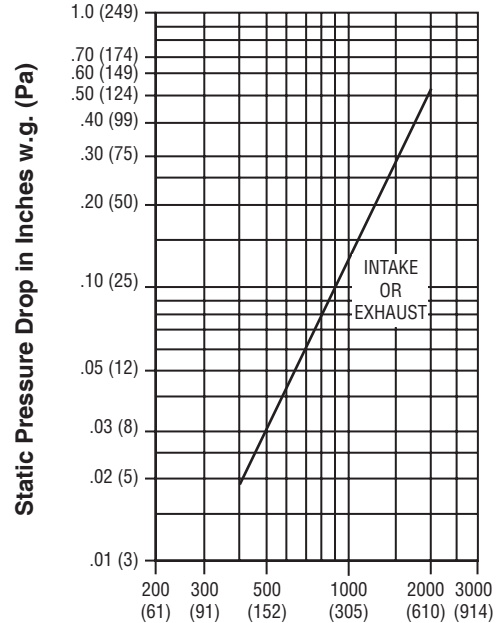
Free Area %	43%	
Free Area sq. ft. (sq. m.)	6.91 (0.64)	
I N T A K E	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	1123 fpm (342 m/min.)
	Air Volume at 1123 fpm Free Area Velocity	7760 cfm (3662 l/s)
	Pressure Drop @ 1123 fpm	.17 in. w.g. (42 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.



Safe-Air Dowco certifies the Model DBE-02 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. Seal applies to air performance ratings and water penetration ratings.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48" x 48" (1219 x 1219 mm).
Standard air density @ 0.075 lbs/ft³.
Tested to AMCA Fig. 5.5 - 6.5.

SCHEDULE TYPE:	Page 3 of 3			
PROJECT:	Dimensions are in inches (mm).			
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	3 - 3 - 23	LOUVER	NEW	DBE-02