



EXTRUDED ALUMINUM STATIONARY LOUVER
2" (51) DEEP • K BLADE • ARCHITECTURAL
MODEL: 1602K (1602SR)

Model 1602K, incorporating K style blades (formerly "storm resistant" or "stormproof") is a 2" (51) deep louver, which combines good weather protection and performance with aesthetics that compliment any architecture. It is ideal for use in thin wall applications or a/c units where a full depth louver cannot be used. Suitable for use in exhaust and low to medium velocity intake applications, the K blade design features a rear water baffle plus an additional rain hook, providing good protection against more forbidding weather conditions. Blades are reinforced with full length integral bosses for superior strength and the design exhibits excellent pressure drop characteristics through it's high free area. Model 1602K is available with channel or flanged type frame to suit most architectural and mechanical installation requirements.

STANDARD CONSTRUCTION:

- FRAME:** 2" (51) deep, Type 6063-T5 extruded aluminum, .060" (1.5) nominal wall thickness. Integral caulking slot provided.
- BLADES:** Type 6063-T5 extruded aluminum, .060" (1.5) nominal wall thickness, with reinforcing bosses. K style.
- BLADE ANGLE:** Fixed at 30 degrees.
- BLADE SPACING:** Approximately 2" (51) on centers.
- BLADE SUPPORT BRACKETS:** Concealed type, factory installed on rear of louver on maximum 48" (1219) centers. Reinforced with 1" x 1" (25 x 25) angle (adds approx. 1" [25] to overall louver depth).
- MULLIONS:** Concealed architectural style allowing continuous line appearance.
- 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:

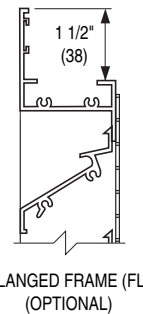
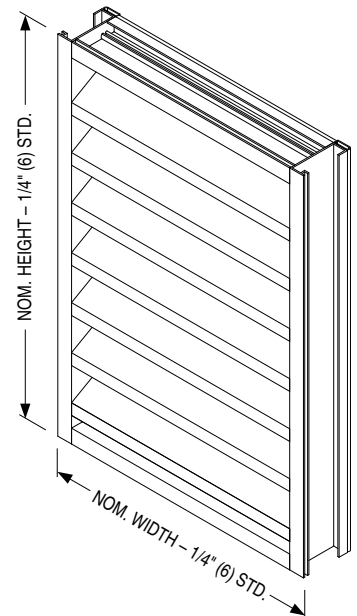
- FL** Flanged Frame.
- BSSS** Type 304 S.S. Bird Screen.
- BSN** No Bird Screen.
- ISA** Aluminum Insect Screen.
- ISSS** Type 304 S.S. Insect Screen.
- WE** Welded Construction.
- ESI** Extended Sill.
- FR1** 1" (25) Filter Rack.
- FR2** 2" (51) Filter Rack.
- PAC** Perimeter Anchor Clips.
- Other:**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

OPTIONAL FINISHES:

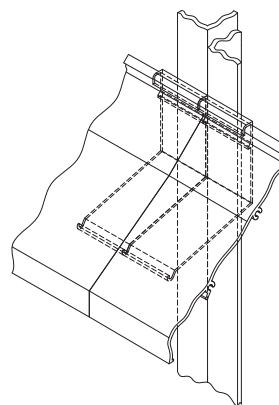
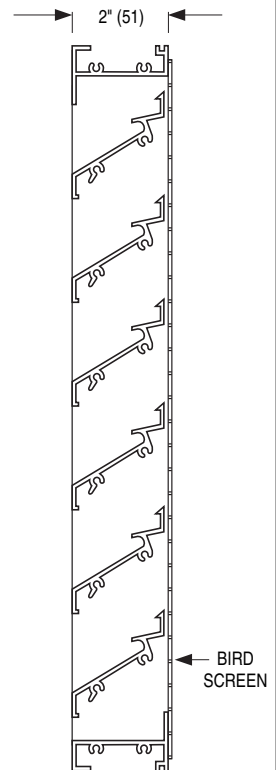
- PC3** Powder Coat AAMA 2603. Color: _____.
 - PC4** High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: _____.
 - PC5** Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: _____.
 - PCC** Prime Coat.
 - AN04** Clear Anodized 204-R1.
 - AN15** Clear Anodized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



ARCHITECTURAL STYLE
CONCEALED MULLION DETAIL

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

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Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
12 - 1 - 10	1600	1602SR-1 9-22-03R	1602K



EXTRUDED ALUMINUM STATIONARY LOUVERS
2" (51) DEEP • K BLADE • ARCHITECTURAL
PERFORMANCE DATA
MODEL: 1602K (1602SR)

FREE AREA in Square Feet and Square Meters

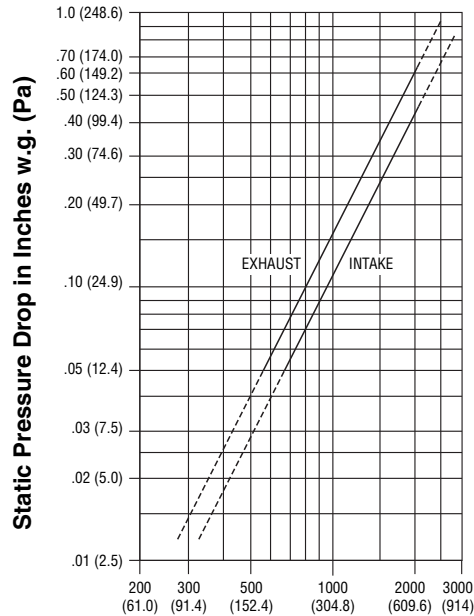
		Width in Inches and Meters																			
		8	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
Height in Inches and Meters	8	0.12	0.19	0.30	0.41	0.53	0.64	0.75	0.86	0.97	1.08	1.19	1.30	1.42	1.53	1.64	1.75	1.86	1.97	2.09	2.20
	0.20	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	12	0.21	0.33	0.52	0.71	0.90	1.09	1.28	1.47	1.66	1.85	2.03	2.22	2.41	2.60	2.79	2.98	3.16	3.35	3.54	3.73
	30	0.02	0.03	0.04	0.06	0.84	0.10	0.11	0.13	0.15	0.17	0.18	0.20	0.22	0.24	0.26	0.27	0.29	0.31	0.33	0.35
	18	0.34	0.54	0.85	1.16	1.48	1.79	2.10	2.41	2.72	3.04	3.35	3.66	3.97	4.28	4.59	4.91	5.22	5.53	5.84	6.15
	46	0.03	0.05	0.08	0.10	0.13	0.16	0.19	0.22	0.25	0.28	0.31	0.34	0.36	0.39	0.42	0.45	0.48	0.51	0.54	0.57
	24	0.49	0.79	1.24	1.69	2.14	2.59	3.05	3.50	3.95	4.40	4.85	5.31	5.76	6.21	6.66	7.11	7.56	8.02	8.47	8.92
	61	0.05	0.07	0.11	0.15	0.19	0.24	0.28	0.32	0.36	0.40	0.45	0.49	0.53	0.57	0.61	0.66	0.70	0.75	0.79	0.83
	30	0.64	1.03	1.62	2.21	2.80	3.39	3.98	4.57	5.16	5.75	6.33	6.92	7.51	8.10	8.69	9.28	9.87	10.45	11.04	11.63
	76	0.06	0.09	0.15	0.20	0.26	0.31	0.37	0.42	0.47	0.53	0.58	0.64	0.69	0.75	0.80	0.86	0.92	0.97	1.03	1.08
	36	0.77	1.24	1.94	2.65	3.36	4.07	4.78	5.49	6.19	6.90	7.61	8.32	9.03	9.74	10.45	11.15	11.86	12.57	13.28	13.99
	91	0.07	0.11	0.18	0.24	0.31	0.37	0.44	0.51	0.57	0.64	0.70	0.77	0.83	0.90	0.97	1.03	1.10	1.17	1.23	1.30
	42	0.90	1.44	2.27	3.10	3.92	4.75	5.58	6.41	7.23	8.06	8.89	9.72	10.54	11.37	12.20	13.02	13.85	14.68	15.51	16.33
	107	0.08	0.13	0.21	0.28	0.36	0.44	0.51	0.59	0.67	0.74	0.82	0.90	0.98	1.05	1.13	1.21	1.29	1.36	1.44	1.52
	48	1.05	1.69	2.65	3.62	4.59	5.55	6.52	7.55	8.45	9.42	10.38	11.35	12.32	13.28	14.25	15.21	16.18	17.14	18.11	19.08
	122	0.10	0.15	0.24	0.33	0.42	0.51	0.60	0.70	0.78	0.87	0.96	1.05	1.14	1.23	1.32	1.41	1.50	1.59	1.68	1.77
	54	1.20	1.94	3.04	4.15	5.26	6.37	7.48	8.59	9.69	10.80	11.91	13.02	14.13	15.24	16.35	17.45	18.56	19.67	20.78	21.89
	137	0.11	0.18	0.28	0.38	0.48	0.59	0.69	0.79	0.90	1.00	1.10	1.21	1.31	1.41	1.51	1.62	1.72	1.83	1.93	2.03
	60	1.33	2.14	3.37	4.60	5.82	7.05	8.28	9.51	10.73	11.96	13.19	14.42	15.64	16.87	18.10	19.32	20.55	21.78	23.00	24.23
	152	0.12	0.20	0.31	0.42	0.54	0.65	0.77	0.88	0.99	1.11	1.22	1.34	1.45	1.56	1.68	1.79	1.91	2.02	2.14	2.25
66	1.46	2.35	3.70	5.04	6.39	7.73	9.08	10.43	11.77	13.12	14.46	15.81	17.16	18.50	19.85	21.19	22.54	23.88	25.23	26.58	
168	0.14	0.21	0.34	0.46	0.59	0.71	0.84	0.96	1.09	1.21	1.34	1.46	1.59	1.71	1.84	1.96	2.09	2.22	2.34	2.47	
72	1.60	2.59	4.07	5.55	7.03	8.51	9.99	11.47	12.95	14.43	15.91	17.39	18.87	20.35	21.83	23.31	24.79	26.27	27.75	29.23	
183	0.15	0.24	0.37	0.51	0.65	0.79	0.92	1.06	1.20	1.34	1.47	1.61	1.75	1.89	2.02	2.16	2.30	2.44	2.58	2.72	
78	1.76	2.84	4.47	6.10	7.72	9.35	10.98	12.61	14.23	15.86	17.49	19.12	20.74	22.37	24.00	25.62	27.25	28.88	30.50	32.13	
198	0.16	0.26	0.41	0.56	0.71	0.86	1.02	1.17	1.32	1.47	1.62	1.77	1.92	2.07	2.23	2.38	2.53	2.68	2.83	2.98	
84	1.89	3.05	4.80	6.54	8.29	10.03	11.78	13.53	15.27	17.02	18.76	20.51	22.26	24.00	25.75	27.49	29.24	30.98	32.72	34.47	
213	0.18	0.28	0.44	0.60	0.77	0.93	1.09	1.25	1.41	1.58	1.74	1.90	2.06	2.23	2.39	2.55	2.72	2.88	3.04	3.20	
90	2.02	3.26	5.12	6.99	8.85	10.72	12.58	14.45	16.31	18.18	20.04	21.91	23.77	25.64	27.50	29.36	31.22	33.09	34.95	36.82	
229	0.19	0.30	0.47	0.65	0.82	0.99	1.16	1.34	1.51	1.68	1.86	2.03	2.20	2.38	2.55	2.72	2.90	3.07	3.25	3.42	
96	2.16	3.49	5.48	7.48	9.47	11.47	13.46	15.45	17.45	19.44	21.44	23.43	25.43	27.42	29.42	31.41	33.41	35.40	37.39	39.38	
244	0.20	0.32	0.51	0.69	0.88	1.06	1.25	1.43	1.62	1.80	1.99	2.17	2.36	2.54	2.73	2.91	3.10	3.29	3.47	3.66	

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

Free Area %	47%
Free Area sq. ft. (sq. m.)	7.55 (0.70)
Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	401 fpm (122 m/min.)
Air Volume at 401 fpm	3028 cfm (1429 l/s)
Free Area Velocity	
Pressure Drop @ 401 fpm	.02 in. w.g. (5 Pa)

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

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.

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	12 - 1 - 10	1600	1602SR-2 9-17-03R	1602K

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