



EXTRUDED ALUMINUM SAND LOUVER
4" (102) DEEP • SIGHTPROOF
MODEL: 1604SL

Model 1604SL is a 4" (102) deep, extruded aluminum sand louver that combines excellent sand removal efficiency with aesthetics that compliment any architecture. The double deflection, sightproof design removes approximately 90% of airborne sand when tested to ASHRAE Standard 52.1 - 1992 criteria and exhibits low pressure drop characteristics.

STANDARD CONSTRUCTION:

- FRAME:** 4" (102) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness.
- BLADES:** Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness.
- BLADE SPACING:** Approximately 6" (152) on centers.
- MULLIONS:** Concealed type allowing continuous line appearance up to 120" (3048). Larger assemblies require separate visible frames.
- 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:** 12" W x 12" H (305 x 305).
- MAX. 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:

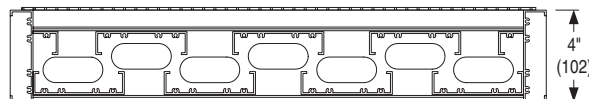
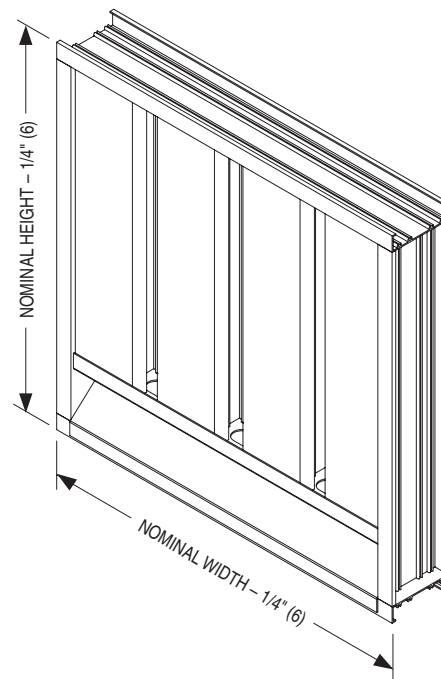
- PC3** Powder Coat AAMA 2603. Color: _____.
- PC4** High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: _____.
- PC5** Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: _____.
- PCC** Prime Coat.
- AN04** Clear Anodized 204-R1.
- AN15** Clear Anodized 215-R1.

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).



SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

Page 1 of 2 Dimensions are in inches (mm).			
DATE	B SERIES	SUPERSEDES	DRAWING NO.
2 - 17 - 22	1600	10 - 19 - 15	1604SL

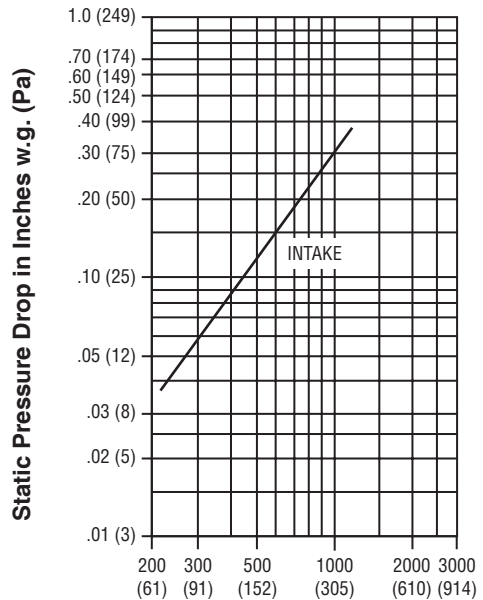


EXTRUDED ALUMINUM SAND LOUVER
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PERFORMANCE DATA
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FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																		
		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	12 0.30	0.07 0.01	0.15 0.01	0.22 0.02	0.30 0.03	0.38 0.03	0.45 0.04	0.53 0.05	0.60 0.06	0.68 0.06	0.75 0.07	0.83 0.08	0.91 0.08	0.98 0.09	1.06 0.10	1.13 0.11	1.21 0.11	1.28 0.12	1.36 0.13	1.44 0.13
	18 0.46	0.15 0.01	0.30 0.03	0.45 0.04	0.60 0.06	0.75 0.07	0.90 0.08	1.05 0.10	1.21 0.11	1.36 0.13	1.51 0.14	1.66 0.15	1.81 0.17	1.96 0.18	2.11 0.20	2.27 0.21	2.42 0.22	2.57 0.24	2.72 0.25	2.87 0.27
	24 0.61	0.22 0.02	0.45 0.04	0.67 0.06	0.90 0.08	1.13 0.10	1.35 0.13	1.58 0.15	1.81 0.17	2.04 0.19	2.26 0.21	2.49 0.23	2.72 0.25	2.94 0.27	3.17 0.29	3.40 0.32	3.63 0.34	3.85 0.36	4.08 0.38	4.31 0.40
	30 0.76	0.29 0.03	0.59 0.06	0.90 0.08	1.20 0.11	1.50 0.14	1.81 0.17	2.11 0.20	2.41 0.22	2.71 0.25	3.02 0.28	3.32 0.31	3.62 0.34	3.93 0.36	4.23 0.39	4.53 0.42	4.84 0.45	5.14 0.48	5.44 0.51	5.74 0.53
	36 0.91	0.36 0.03	0.74 0.07	1.12 0.10	1.50 0.14	1.88 0.17	2.26 0.21	2.64 0.24	3.01 0.28	3.39 0.32	3.77 0.35	4.15 0.39	4.53 0.42	4.91 0.46	5.29 0.49	5.67 0.53	6.04 0.56	6.42 0.60	6.80 0.63	7.18 0.67
	42 1.07	0.44 0.04	0.89 0.08	1.34 0.12	1.80 0.17	2.25 0.21	2.71 0.25	3.16 0.29	3.62 0.34	4.07 0.38	4.53 0.42	4.98 0.46	5.44 0.50	5.89 0.55	6.34 0.59	6.80 0.63	7.25 0.67	7.71 0.72	8.16 0.76	8.62 0.80
	48 1.22	0.51 0.05	1.04 0.10	1.57 0.15	2.10 0.19	2.63 0.24	3.16 0.29	3.69 0.34	4.22 0.39	4.75 0.44	5.28 0.49	5.81 0.54	6.34 0.59	6.87 0.64	7.40 0.69	7.93 0.74	8.46 0.79	8.99 0.84	9.52 0.88	10.05 0.93
	54 1.37	0.58 0.05	1.19 0.11	1.79 0.17	2.40 0.22	3.00 0.28	3.61 0.34	4.22 0.39	4.82 0.45	5.43 0.50	6.03 0.56	6.64 0.62	7.25 0.67	7.85 0.73	8.46 0.79	9.06 0.84	9.67 0.90	10.28 0.95	10.88 1.01	11.49 1.07
	60 1.52	0.65 0.06	1.34 0.12	2.02 0.19	2.70 0.25	3.38 0.31	4.06 0.38	4.74 0.44	5.43 0.50	6.11 0.57	6.79 0.63	7.47 0.69	8.15 0.76	8.83 0.82	9.52 0.88	10.20 0.95	10.88 1.01	11.56 1.07	12.24 1.14	12.92 1.20
	66 1.68	0.73 0.07	1.48 0.14	2.24 0.21	3.00 0.28	3.76 0.35	4.51 0.42	5.27 0.49	6.03 0.56	6.79 0.63	7.54 0.70	8.30 0.77	9.06 0.84	9.82 0.91	10.57 0.98	11.33 1.05	12.09 1.12	12.85 1.19	13.60 1.26	14.36 1.33
	72 1.83	0.80 0.07	1.63 0.15	2.47 0.23	3.30 0.31	4.13 0.38	4.96 0.46	5.80 0.54	6.63 0.62	7.46 0.69	8.30 0.77	9.13 0.85	9.96 0.93	10.80 1.00	11.63 1.08	12.46 1.16	13.30 1.24	14.13 1.31	14.96 1.39	15.80 1.47
	78 1.98	0.87 0.08	1.78 0.17	2.69 0.25	3.60 0.33	4.51 0.42	5.42 0.50	6.33 0.59	7.23 0.67	8.14 0.76	9.05 0.84	9.96 0.93	10.87 1.01	11.78 1.09	12.69 1.18	13.60 1.26	14.51 1.35	15.42 1.43	16.32 1.52	17.23 1.60
	84 2.13	0.94 0.09	1.93 0.18	2.91 0.27	3.90 0.36	4.88 0.45	5.87 0.55	6.85 0.64	7.84 0.73	8.82 0.82	9.81 0.91	10.79 1.00	11.78 1.09	12.76 1.19	13.75 1.28	14.73 1.37	15.71 1.46	16.70 1.55	17.68 1.64	18.67 1.73

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.

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