

SFG40

Stationary Fiberglass Louver Industrial Swartwout Fiberglass Series

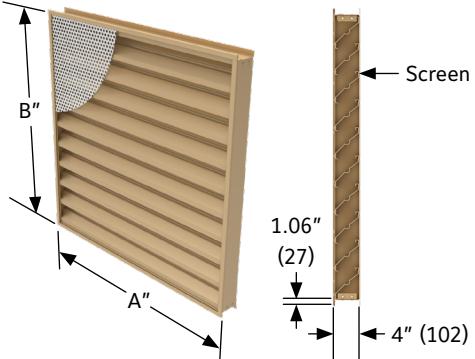


APPLICATION

The SFG40 is a fiberglass stationary louver designed for intake and exhaust application for corrosive environments.

STANDARD CONSTRUCTION

Frame	4" x 1.06" x .125" (107 x 27 x 3.2) thick Series 625 Vinyl Ester Resin fiberglass channel
Blades	.125" (3.2) thick fiberglass at 45° blade angle approximately 4.5" (114) center to center
Screen	PVC coated bird screen .50" (13) mesh 19 gauge (1.1) is standard
Maximum Temperature	200°F
Minimum Size	12"w x 12" h (305 x 305)
Maximum Size	Single Section – 48" x 120" (1219 x 3048) Multiple Section Assembly – Unlimited



FEATURES

- ▶ 38% Free Area
- ▶ Published performance rating based on testing in accordance with AMCA Publication 511
- ▶ Beginning point of water at 0.01 oz/sq.ft. is 780fpm (216 m/min)
- ▶ Fiberglass construction requires low maintenance and high resistance to corrosion

VARIATIONS

Variations to the basic design of this louver are available at additional cost. They include:

- ▶ Front Flange
- ▶ Rear Flange
- ▶ Front flange with sill
- ▶ Extended sill
- ▶ Variety of screens
- ▶ Variety of colors
- ▶ Exterior coatings

Consult Ruskin for other special requirements.

NOTES:

- Dimensions in inches, parenthesis () indicate millimeter
- Units can be furnished actual size or with size deducts

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of SFG40.

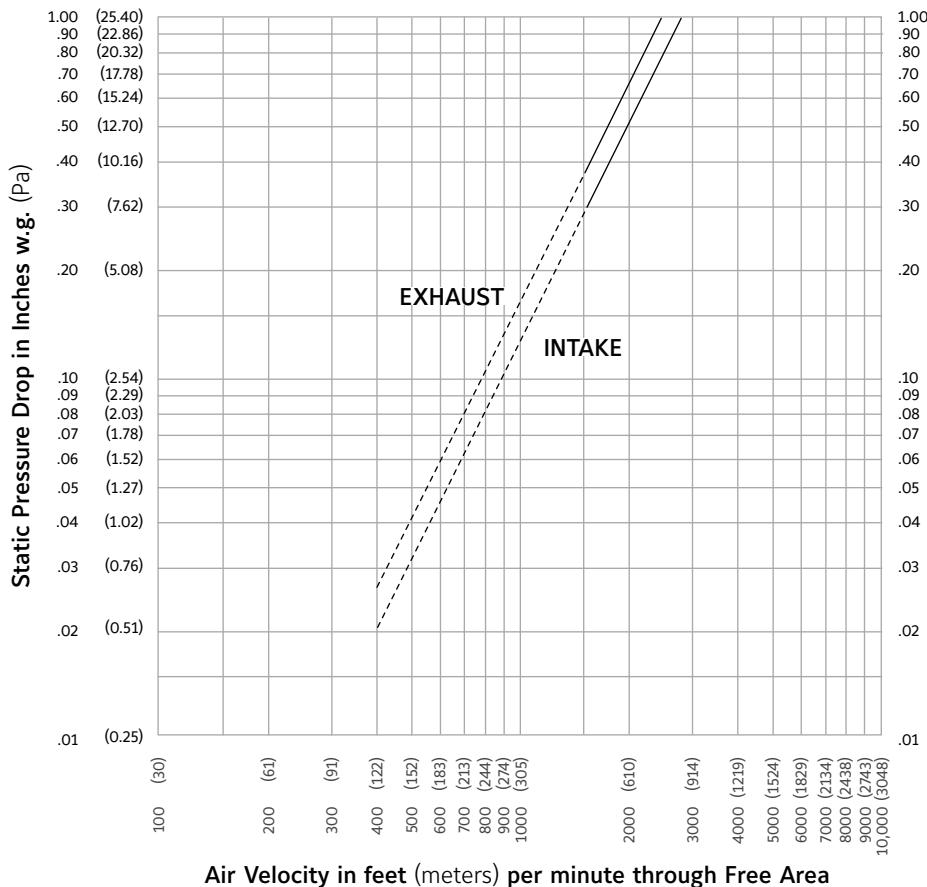
Width – Inches and Meters

	12 0.30	18 0.45	24 0.60	30 0.75	36 0.90	42 1.05	48 1.20	54 1.35	60 1.50	66 1.65	72 1.80
12 0.30	0.18 0.02	0.29 0.03	0.40 0.04	0.50 0.05	0.61 0.06	0.72 0.07	0.83 0.08	0.94 0.09	1.05 0.10	1.16 0.11	1.27 0.12
18 0.45	0.55 0.05	0.89 0.08	1.23 0.11	1.57 0.15	1.90 0.18	2.24 0.21	2.58 0.24	2.91 0.27	3.25 0.30	3.59 0.33	3.92 0.36
24 0.60	0.93 0.09	1.50 0.14	2.06 0.19	2.63 0.24	3.19 0.30	3.76 0.35	4.32 0.40	4.89 0.45	5.45 0.51	6.02 0.56	6.58 0.61
30 0.75	0.75 0.07	1.20 0.11	1.66 0.15	2.11 0.20	2.57 0.24	3.02 0.28	3.48 0.32	3.93 0.37	4.39 0.41	4.84 0.45	5.29 0.49
36 0.90	1.12 0.10	1.81 0.17	2.49 0.23	3.17 0.29	3.86 0.36	4.54 0.42	5.22 0.49	5.91 0.55	6.59 0.61	7.27 0.68	7.95 0.74
42 1.05	1.50 0.14	2.41 0.22	3.32 0.31	4.23 0.39	5.15 0.48	6.06 0.56	6.97 0.65	7.88 0.73	8.79 0.82	9.70 0.90	10.61 0.99
48 1.20	1.32 0.12	2.12 0.20	2.92 0.27	3.72 0.35	4.52 0.42	5.32 0.49	6.12 0.57	6.92 0.64	7.72 0.72	8.52 0.79	9.32 0.87
54 1.35	1.69 0.16	2.72 0.25	3.75 0.35	4.78 0.44	5.81 0.54	6.84 0.64	7.87 0.73	8.90 0.83	9.93 0.92	10.95 1.02	11.98 1.11
60 1.50	2.07 0.19	3.33 0.31	4.58 0.43	5.84 0.54	7.10 0.66	8.36 0.78	9.61 0.89	10.87 1.01	12.13 1.13	13.39 1.25	14.64 1.36
66 1.65	1.89 0.18	3.03 0.28	4.18 0.39	5.33 0.50	6.47 0.60	7.62 0.71	8.77 0.82	9.91 0.92	11.06 1.03	12.21 1.14	13.35 1.24
72 1.80	2.26 0.21	3.64 0.34	5.01 0.47	6.39 0.59	7.76 0.72	9.14 0.85	10.51 0.98	11.89 1.11	13.26 1.23	14.64 1.36	16.01 1.49
78 1.95	2.64 0.25	4.24 0.39	5.85 0.54	7.45 0.69	9.05 0.84	10.66 0.99	12.26 1.14	13.86 1.29	15.47 1.44	17.07 1.59	18.67 1.74
84 2.10	2.46 0.23	3.95 0.37	5.44 0.51	6.93 0.64	8.43 0.78	9.92 0.92	11.41 1.06	12.91 1.20	14.40 1.34	15.89 1.48	17.38 1.62
90 2.25	2.83 0.26	4.55 0.42	6.27 0.58	8.00 0.74	9.72 0.90	11.44 1.06	13.16 1.22	14.88 1.38	16.60 1.54	18.32 1.70	20.04 1.86
96 2.40	3.21 0.30	5.16 0.48	7.11 0.66	9.06 0.84	11.01 1.02	12.96 1.21	14.90 1.39	16.85 1.57	18.80 1.75	20.75 1.93	22.70 2.11
102 2.55	3.03 0.28	4.86 0.45	6.70 0.62	8.54 0.79	10.38 0.97	12.22 1.14	14.06 1.31	15.90 1.48	17.74 1.65	19.57 1.82	21.41 1.99
108 2.70	3.40 0.32	5.47 0.51	7.54 0.70	9.60 0.89	11.67 1.09	13.74 1.28	15.80 1.47	17.87 1.66	19.94 1.85	22.01 2.05	24.07 2.24
114 2.85	3.78 0.35	6.07 0.56	8.37 0.78	10.66 0.99	12.96 1.21	15.25 1.42	17.55 1.63	19.85 1.85	22.14 2.06	24.44 2.27	26.73 2.49
120 3.00	3.60 0.33	5.78 0.54	7.96 0.74	10.15 0.94	12.33 1.15	14.52 1.35	16.70 1.55	18.89 1.76	21.07 1.96	23.26 2.16	25.44 2.37



Ruskin certifies that the SFG40 louver 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. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings only.

PRESSURE DROP



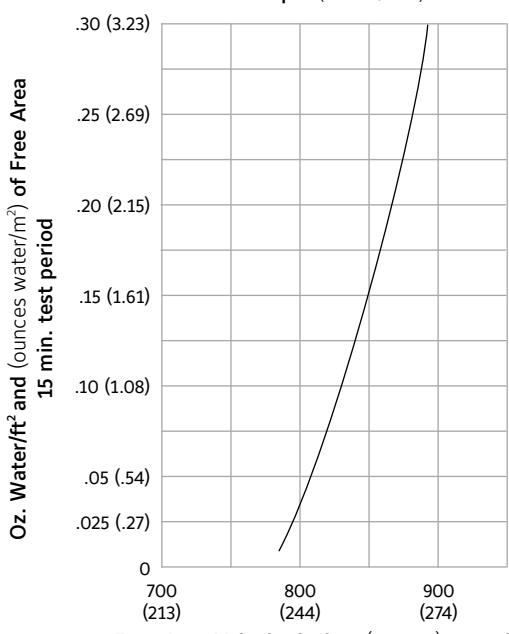
Ratings do not include the effect of a bird screen.

PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

Designs should provide a reasonable safety factor for louver performance by selecting at some point below pressure drop or water penetration system requirements.

Water penetration
Test size 48" wide X 48" high (1219 X 1219)
Beginning point of water penetration at .01 oz./sq. ft. is 780 fpm (231 m/min).



SUGGESTED SPECIFICATION

Furnish and install, at locations shown in plans, or in accordance with schedules, fiberglass stationary bladed louvers. Louvers shall be of pultruded construction and comply with ASTM D 4385-8A and be tested and show record for ASTM D 2584-68. Material used in construction shall be a flame retardant vinyl ester based substance.

All material in airstream must meet or exceed required contamination concentration. All exposed glass shall be coated with resin compatible with that used in the pultrusion process.

Stationary fiberglass louvers shall be Ruskin Swartwout Series Model SFG40 construction as follows:

Frame: 4" x 1.06" (102 x 27) fiberglass channel, .125" (3.2) thick.

Blades: .125" (3.2) thick fiberglass on 45° angle approximately 5" (114) center to center.

Screen: .50" mesh x 19 gauge (13 x 1.1) PVC coated bird-screen.

Published louver performance data must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the specified model. Louver must carry the AMCA Certified Ratings Seal for Air Performance and Water Penetration.

LINKS TO IMPORTANT DOCUMENTS

Document Title

Limited Warranty Document



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