

MODEL SFL-D-4

4" STEEL DRAINABLE FIXED LOUVER

STANDARD CONSTRUCTION:

FRAME:

18 ga. galvanized steel, 4.13" deep

BLADES:

Drainable, 18 ga. galvanized steel, positioned at 45° angles on approximately 3.94" centers.

BIRDSCREEN:

.50" x .050" Expanded flattened alum. in removable frame
Screen is mounted on inside (rear)

FINISH:

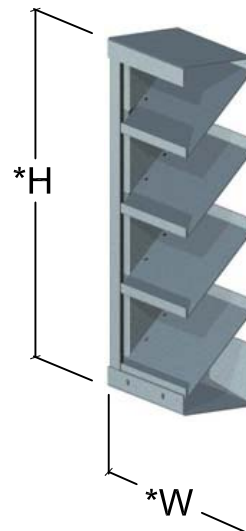
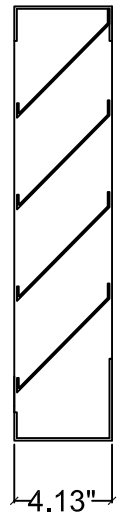
Mill Galvanized

MINIMUM SIZE:

8"w x 12"h

MAXIMUM SECTION SIZE:

96"w x 72"h
Larger sizes made in multiple sections.

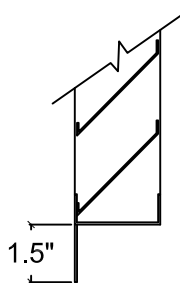


OPTIONS:

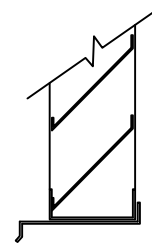
- Flanged Frame (1.5" std.)
- Custom Flange (1", 2" , or 3")
- Extended Sill
- Insect Screen (Other Screens Available, See Screen Page)
- Filter Racks (no screen)
- Security Bars
- Hinged Sub Frame
- Welded Construction
- Blank-off, Steel, non-insulated, no screen, non-removeable
- Blank-off, Steel, non-insulated, with bird screen or insect screen
- Blank-off, Steel, insulated double wall, with bird screen, removable
- Blank-off, Steel, insulated double wall, no screen, non-removeable
- 304 Stainless Steel Construction
- 316 Stainless Steel Construction
- 316L Stainless Steel Construction

AVAILABLE FINISHES:

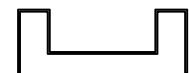
- Powder Polyester TGIC** (2 coats) baked on at 410°F, 2.5 to 3.5 mils Meets AAMA-2603 Standards
- Powder Super durable polyester** (2 coats) baked on at 410°F, 2.5 to 3.5 mils Meets AAMA-2604-05 Standards
- Acrylic baked enamel** (ACRA-BOND® ULTRA) by AkzoNobel baked on at 350°F, 0.8 to 1.2 mils dry Meets AAMA-2603 Standards
- Kynar®** (ALUM*A*STAR®) 2 coats by AkzoNobel baked on at 450°F, 1.2 to 1.6 mils dry Meets AAMA-2604-05 Standards
- Kynar 500®** or HYLAR® 5000 70% TRINAR® (2 coats) by AkzoNobel baked on at 450°F, 1.2 to 1.6 mils dry, Meets AAMA-2605-05 Standards
- Kynar 500®** or HYLAR® 5000 (70% Tri-Escent II) (2 coats) by AkzoNobel, a superior finish to other metallic or anodized finishes. A blend of mica, ceramic, and inorganic pigments creates subtle yet dazzling design that goes beyond metallic color without the requirement of a clear coat. 14 standard colors - custom colors available. Baked on at 415°F, 1.4 to 1.8 mils dry, meets AAMA 2605-05.
- Clear Anodize** 204 R-1 Class II (AA-C22A31)(0.4 to 0.7 mil)
- Clear Anodize** 215 R-1 Class I (AA-C22A41)(>0.7 mil)
- Integral Color Anodize** (AA-C22A42)(>0.7 mil)
 - Clear coat available for all above finishes.
 - Hylar® 5000 is a registered trademark of Solvay Solexis, Inc.
 - Kynar® 500 is a registered trademark of Arkema.
 - ALUM*A*STAR® 50 and TRINAR® are registered trademarks of AkzoNobel
 - ACRA-BOND® ULTRA is a registered trademark of AkzoNobel



Optional Flange



Optional Extended Sill



Typical Jamb

*Width and Height dimensions are approximately 1/4" under listed size.

Due to continuing research, United Enertech reserves the right to change specifications without notice.



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MODEL SFL-D-4 (4" Steel Drainable Fixed Louver)

DRAWN BY: CLJ	DATE: 10-29-14	REV. DATE: February 2014	REV. NO. 10	APPROVED BY: BGT	DWG. NO.: A-11
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SUGGESTED SPECIFICATION

Furnish and install louver as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary drainable type with drain gutters in each blade and downspouts in jambs and mullions. Stationary blades shall be contained within a 4.13" deep 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 provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30 lbs. per sq. ft. (equivalent of 110 mph wind).

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 SFL-D-4 FREE AREA CHART (SQUARE FEET)

Louver Height Inches	Louver Width In Inches															Louver Height Inches	
	8	12	18	24	30	36	42	48	54	60	66	72	78	84	90		96
12	0.31	0.47	0.70	0.93	1.17	1.40	1.63	1.87	2.10	2.33	2.57	2.80	3.03	3.27	3.51	3.72	12
18	0.47	0.70	1.05	1.40	1.75	2.10	2.45	2.80	3.15	3.50	3.85	4.20	4.52	4.91	5.23	5.61	18
24	0.62	0.93	1.40	1.87	2.33	2.80	3.27	3.73	4.20	4.67	5.13	5.60	6.05	6.51	7.02	7.48	24
30	0.78	1.17	1.75	2.33	2.92	3.50	4.08	4.67	5.25	5.84	6.42	7.00	7.55	8.14	8.76	9.36	30
36	0.93	1.40	2.10	2.80	3.50	4.20	4.90	5.60	6.30	7.00	7.70	8.40	9.06	9.76	10.52	11.24	36
42	1.09	1.63	2.45	3.27	4.08	4.90	5.72	6.54	7.35	8.17	8.99	9.80	10.57	11.38	12.27	13.12	42
48	1.24	1.87	2.80	3.73	4.67	5.60	6.54	7.47	8.40	9.34	10.27	11.20	12.08	13.00	14.03	15.00	48
54	1.40	2.10	3.15	4.20	5.25	6.30	7.35	8.40	9.45	10.50	11.55	12.60	13.59	14.62	15.78	16.88	54
60	1.56	2.33	3.50	4.67	5.84	7.00	8.17	9.34	10.50	11.67	12.84	14.00	15.10	16.24	17.54	18.76	60
66	1.71	2.57	3.85	5.13	6.42	7.70	8.99	10.27	11.55	12.84	14.12	15.40	16.61	17.86	19.29	20.64	66
72	1.87	2.80	4.20	5.60	7.00	8.40	9.80	11.20	12.60	14.00	15.40	16.80	18.12	19.48	21.05	22.52	72

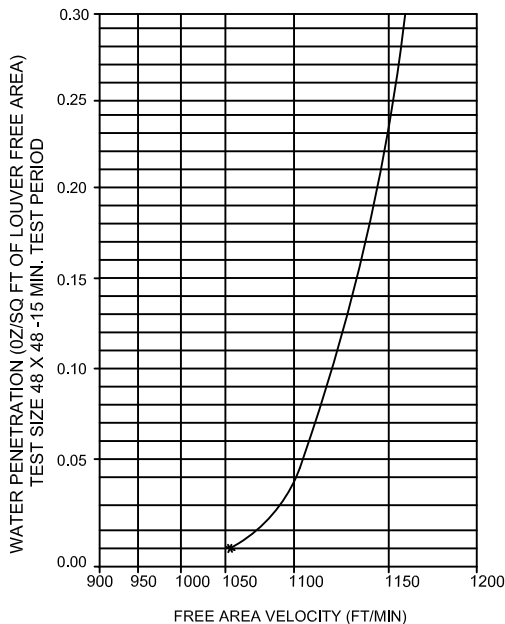
Beginning point of WATER PENETRATION
is

1056 fpm

free area velocity at .01 oz. of water penetration

WATER PENETRATION

Standard Air-.075 lb/ft³



Air Flow Resistance

