
STATIONARY LOUVER

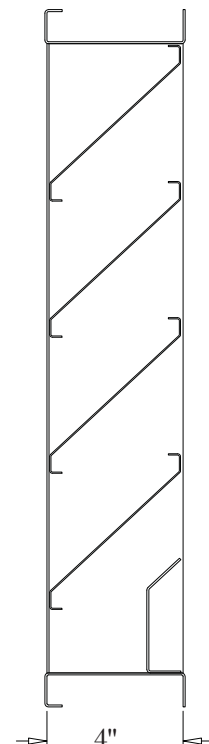
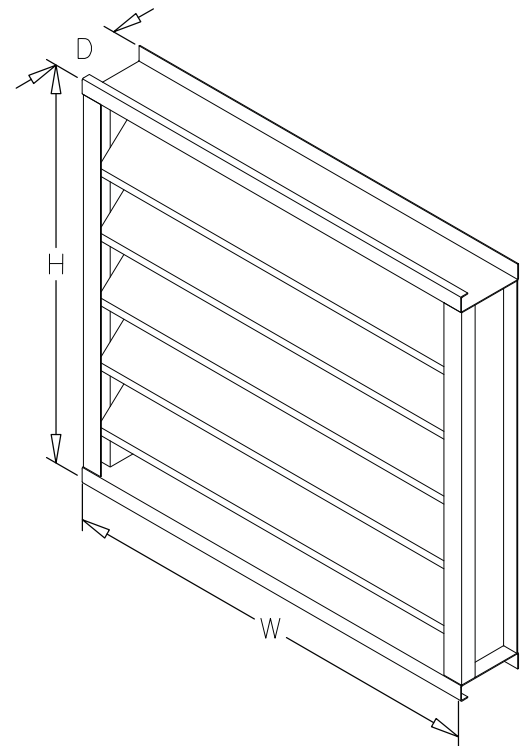
STEEL

DESCRIPTION

L-4S is a weather louver designed to protect air intake and exhaust openings in building exterior walls. Design incorporates steel stationary non-drainable blades, sloped sill and high free area to provide maximum resistance to rain and weather while providing minimum resistance to airflow.

STANDARD CONSTRUCTION

- Frame:** 4" (102 mm) deep channel,
16 gauge (1.6 mm) thick galvanized steel
- Blades:** 16 gauge (1.6 mm) thick galvanized steel
45° angle on 4" (100 mm) centres
- Screen:** 13 mm removable wire mesh
Bird screen. Located on interior
- Construction:** Mechanically fastened and welded
- Finish:** Mill with touch up on welds
- Dimensions:** Minimum size: 12" x 12" (300mm x 300mm)
Maximum size: 96" x 96" (2400mm x 2400mm)
(single section)
Maximum multiple section size: Unlimited
"W" (width) and "H" (height) are opening sizes.
Louvers are made 6 mm undersized.



OPTIONS

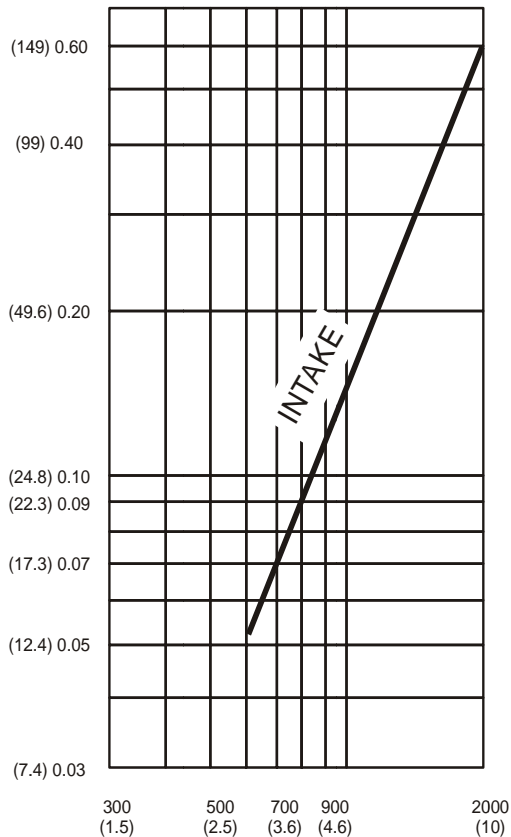
- Variety of Bird and Insect Screens
- Flanged Frame
- Filter Rack
- Washable Filters
- Hinged Frame
- Clip Angles
- Stainless Steel Construction
- Selection of Finishes: Super Durable Polyester Powder coatings, Kynar and PVF.

L-4S PERFORMANCE DATA

Below performance charts are based on tests performed at Cert-Aire Laboratory at Arlington Heights, Illinois based on AMCA Publication 511 for Air Performance and Water Penetration.

Free Area: 51% for 48" x 48" (1.22m x 1.22m) test size.

PRESSURE DROP



VELOCITY THROUGH FREE AREA FPM (meters/sec.)

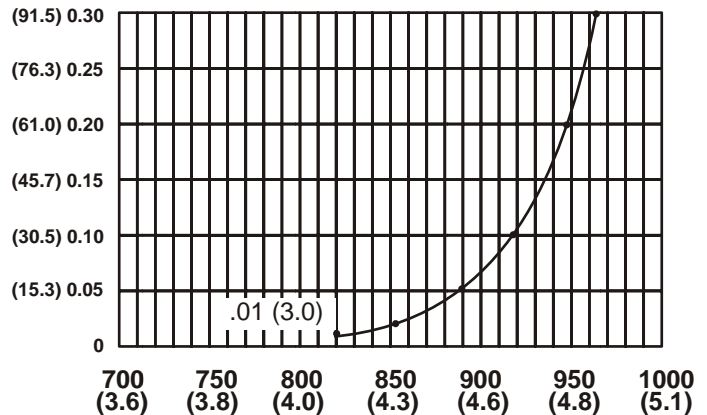
standard air - .075 lbs. per cu. ft.

Ratings do not include the effect of a bird screen

FREE AREA IN SQUARE FEET (sq. meters)

HEIGHT	WIDTH								
	in.	12	24	36	48	60	72	84	96
	mm	304	609	914	1219	1524	1828	2133	2438
	12	0.29	0.66	1.04	1.41	1.79	2.12	2.49	2.87
	304	0.03	0.06	0.10	0.13	0.17	0.20	0.23	0.27
	24	0.69	1.59	2.49	3.40	4.30	5.08	5.98	6.88
	609	0.06	0.15	0.23	0.32	0.40	0.47	0.56	0.64
	36	1.18	2.70	4.22	5.75	7.27	8.61	10.13	11.66
	914	0.11	0.25	0.39	0.53	0.68	0.80	0.94	1.08
	48	1.68	3.85	6.03	8.21	10.38	12.29	14.47	16.64
	1219	0.16	0.36	0.56	0.76	0.96	1.14	1.34	1.55
	60	2.08	4.77	7.47	10.16	12.85	15.21	17.90	20.60
	1524	0.19	0.44	0.69	0.94	1.19	1.41	1.66	1.91
	72	2.57	5.90	9.24	12.57	15.91	18.82	22.16	25.49
	1828	0.24	0.55	0.86	1.17	1.48	1.75	2.06	2.37
	84	2.97	6.83	10.69	14.55	18.41	21.79	25.65	2.51
	2133	0.28	0.63	0.99	1.35	1.71	2.02	2.38	2.74
	96	3.46	7.94	12.42	16.91	21.39	25.31	29.80	34.28
	2438	0.32	0.74	1.15	1.57	1.99	2.35	2.77	3.18

WATER PENETRATION



VELOCITY THROUGH FREE AREA FPM (meters/sec.)

Both maximum recommended free area velocity and beginning of water penetration are 822 fpm at standard air- .075 lbs. per cu. ft. The above water penetration data is based on mill finish, 48" x 48" test size.

