

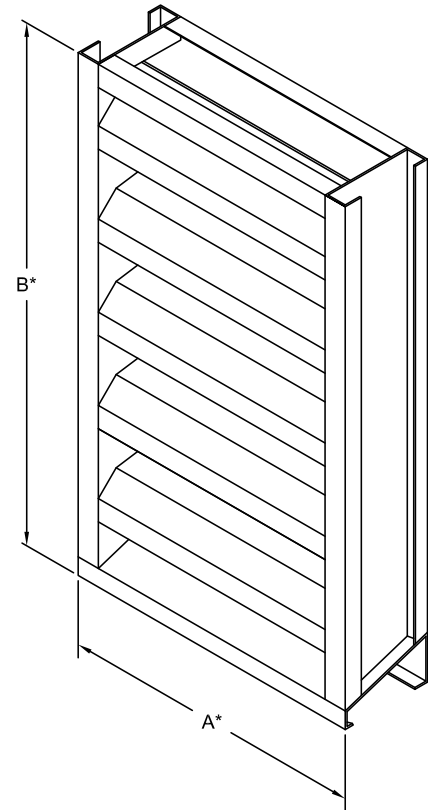
## STATIONARY LOUVER

### DESCRIPTION

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

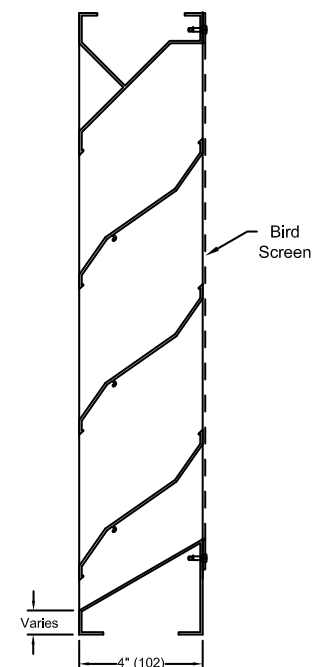
### STANDARD CONSTRUCTION

- Frame:** 100 mm deep channel, 2.0 mm thick extruded aluminum
- Blades:** 2.0 mm thick extruded aluminium  
37° and 45° angle on 100 mm centres
- Screen:** 13 mm removable expanded aluminium bird screen. Located on interior
- Construction:** Mechanically fastened and welded
- Finish:** Mill with touch up on welds
- Dimensions:** Minimum size: 300 mm x 300 mm  
Maximum size: 2400 mm x 2400 mm  
(single section)  
Maximum multiple section size: Unlimited  
"A" (width) and "B" (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
- 3.0 mm Thickness Aluminum Construction
- Selection of Finishes: Super Durable Polyester Powder coatings, Kynar / PVF and anodized.

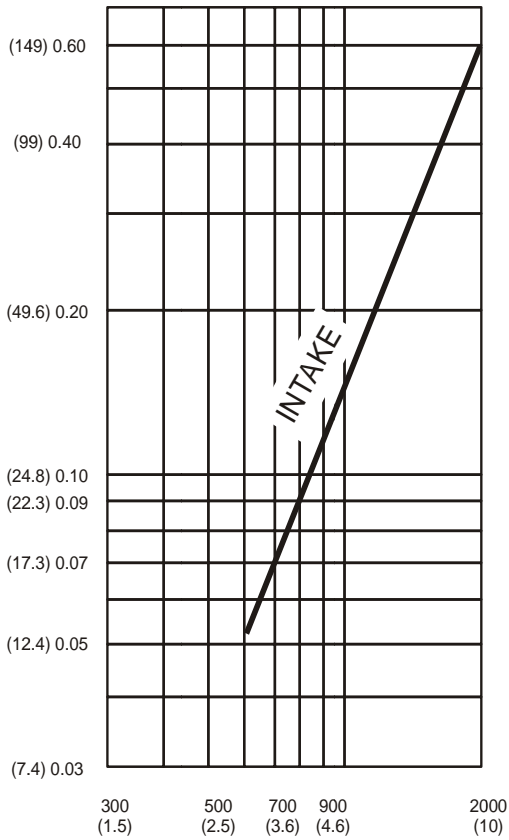


# L-4 PERFORMANCE DATA

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**



**FREE AREA IN SQUARE FEET (sq. meters)**

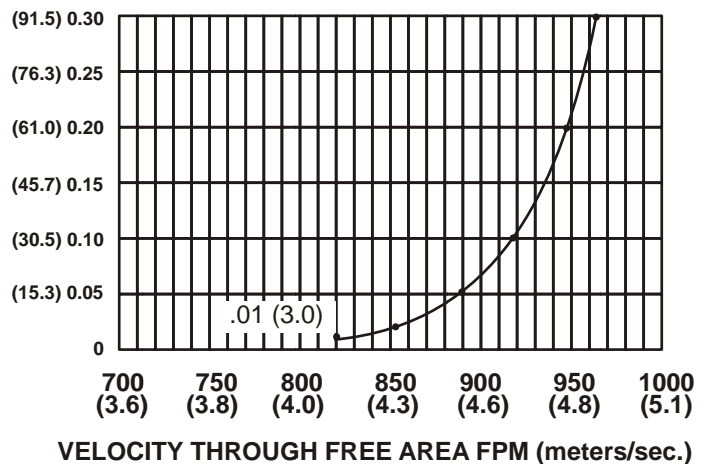
|        |      | WIDTH |       |       |       |       |       |       |       |    |
|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|----|
|        |      | in.   | 12    | 24    | 36    | 48    | 60    | 72    | 84    | 96 |
| HEIGHT | mm   | 304   | 609   | 914   | 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  |       |    |

**VELOCITY THROUGH FREE AREA FPM ( meters/sec.)**

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

Ratings do not include the effect of a bird screen

**WATER PENETRATION**



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.

