GENERAL

Designed to provide ventilation inside the building and at the same time to prevent the ingress of dust and sand particles. Used where there is high degree of separation of sand and large dust concentrations is required. Vertically installed into the wall opening of the building.

CONSTRUCTION

Manufactured from Aluminium/Stainless/Galvanized sheets mechanically jointed.
Frame .................. 0.7mm - 3.0mm(T) Formed sheets
Blade .............. 0.7mm - 3.0mm(T) U-Shape Formed Sheets
Bird screen ............... Aluminium expanded mesh
Depth ......................... 100mm (4”)
Free Area (%) .................... 27.00%
Min. Size ...................... 305x305 (mm)
Max. Size ...................... 2400x2400 (mm)
Larger Sizes in multiple section
Finish ........ Mill Finish, Powder coated, Epoxy coated, PVDF and Natural Anodizing. Special coating is available upon request.
Louver Clearance .............. 1/4 inch

OPTIONAL FEATURE

Blank Panels .................. Double wall or Single skin
 Mullion ...................... more than 1.8m width
 Support screen ........ with Birdmesh or Insect mesh from Aluminium, Galvanized or Stainless steel.
 Filter Rack .................. Washable type
 Openable Louver .............. Hinged/Pinned
 Welded Assembly .......... Frames and blade with fillet welds concealed from view. Each weld has 25.4mm (1-inch) min. in length with 3.175mm (1/8 – inch) leg.
Irregular shapes ........ Triangular, Trapezoidal & etc..
Sleeved flange for Ductowk system.

RATINGS:

Test Method per ANSI/AMCA Standard 500L
Free Area: [48” x 48” (1220x1220mm)] – 4.3 ft²
Free Area Velocity: 409 fpm
Air Volume delivered: 1681 cfm
Pressure loss: 0.109 in. wg

SUGGESTED SPECIFICATION

Manufacture and install as specified hereinafter where shown on plans or as described in schedules. Louvers shall be stationary type entirely contained a 4” (102) frame. Louver components (heads, jambs, cills, blades and mullions) shall be factory assembled by Ventline. Louver sizes too large for shipping shall be made in modules for easy handling. Louver is designed to withstand a wind load of 20 lbs. per ft² (0.96kPa).

Louvers shall be Ventline Model VSL – 02F constructions as follows:
Frame: 0.7 - 3mm(T) precision formed sheets
Blades: 0.7 - 3mm(T) U-profile precision formed sheets
Screen: (T) Aluminium flattened expanded mesh.
Finish: To be selected from Standard RAL colour charts (Other colour is available upon request)
FREE AREA CALCULATIONS in SQ. FT.

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<tr>
<th>WIDE - FT</th>
<th>HEIGHT - FT²</th>
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</thead>
<tbody>
<tr>
<td>INCHES</td>
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</table>

Air Performance (Standard Air .075 lb/ft³)
Test size 48 in. x 48 in.
Tested in accordance with ANSI/AMCA 500-L

Sand Removal Efficiency (Not certified by AMCA)

Certified Ratings:
Ventline Metal Industries certifies that the model VSL-02F shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Seal applies to Air Performance Ratings.
VENTLINE LOUVERS TESTED AT AMCA LABORATORY

AMCA Standard 500-L-07
Air Performance Test
Test Figure 5.5

General Drawing
**FINISHES**

**POWDER COATING:** Louver shall be cleaned, pre-treated and FINISHED-AFTER-ASSEMBLY with an inhibitive primer and oven-cured polyester powder coatings complies with BS6496:1984 and Qualicoat requirement. Normally 70 to 90 microns.

**PVDF COATING:** Louver shall be cleaned, pre-treated and FINISHED-AFTER-ASSEMBLY with an inhibitive primer and Kynar resin coating with minimum 1.2 mils dry-film coating thickness that complies with AAMA2605-05. “Voluntary Specification, Performance Requirements and Tests Procedures for Superior Performance Organic Coatings on Aluminium Extrusions and Panels” and Qualicoat requirements.

**ANODIZE:** Louver shall be FINISHED-AFTER-ASSEMBLY with class 1 clear anodized or electrolytically color anodized coating that complies with AAMA Specification 611-98, “Voluntary Specification for Anodized Architectural Aluminium”. Color shall be from Gold, Silver and Black Matt or Polished.

**EPOXY PAINT:** Louver shall be cleaned, pre-treated and FINISH-AFTER-ASSEMBLY with an oven cured thermosetting enamel finish in compliance with AAMA 2603, “Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings”.

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VSL-027 / August 2015

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