

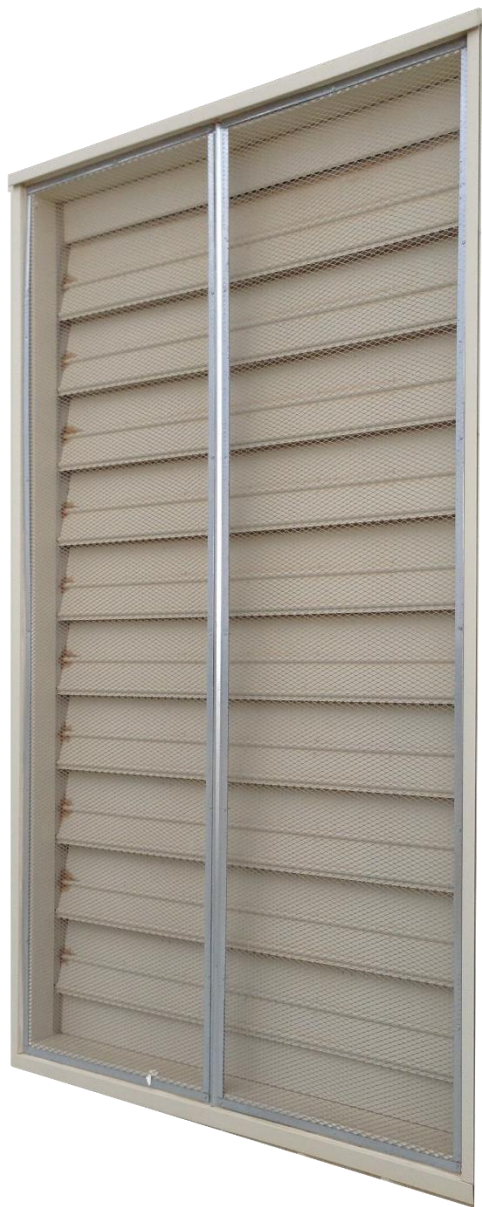
# LV9090

Adjustable Industrial Louver - 90°



Ventilation's Natural Solution since 1961

*EAGLE series* Natural Ventilation



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## LV9090 Product Details

### STANDARD FEATURES

- Adjustable Blades
- Full opening, 90° blade angles
- Maximum Louver width: 72"
- Maximum Louver Height: 120"
- Minimum Louver Height: 26.75"
- Minimum Louver Width: 30"
- Frame: 7" deep channel, 12 ga.
- Blades: 18 ga., continuous length pipe flat blades. 90° operating, 10" Spacing.
- Bearings: Heavy-duty, self-lubricating nylon
- Jamb Seals: stainless steel
- Finish: Mill finish
- Mullion Covers & Fasteners: Outside only when multiple louvers are in one opening
- Mounting Clips & Installing Fasteners: Included, 2' on center
- Bird Screen: 1/2" mesh 19 ga. Galvanized Steel (shipped loose for field install)
- Operator: Spring loaded pull chain with 10' chain and chain clip

### OPTIONAL FEATURES

- Blade Seals
- Multiple panel wide x high configurations
- **Frame:**
  - Face Flange
- **Materials:**
  - Galvanized steel
  - Aluminum
  - Specialty Alloy
- **Screen:**
  - Aluminum Insect, 3/4" mesh
  - Expanded Aluminum
  - Stainless Steel, 1/2" mesh
- **Finish:**
  - Urethane to color match
- **Operators**
  - Manual chain pull or hand crank
  - Hand wheel and jack-shafting operator
  - 115v motor operators

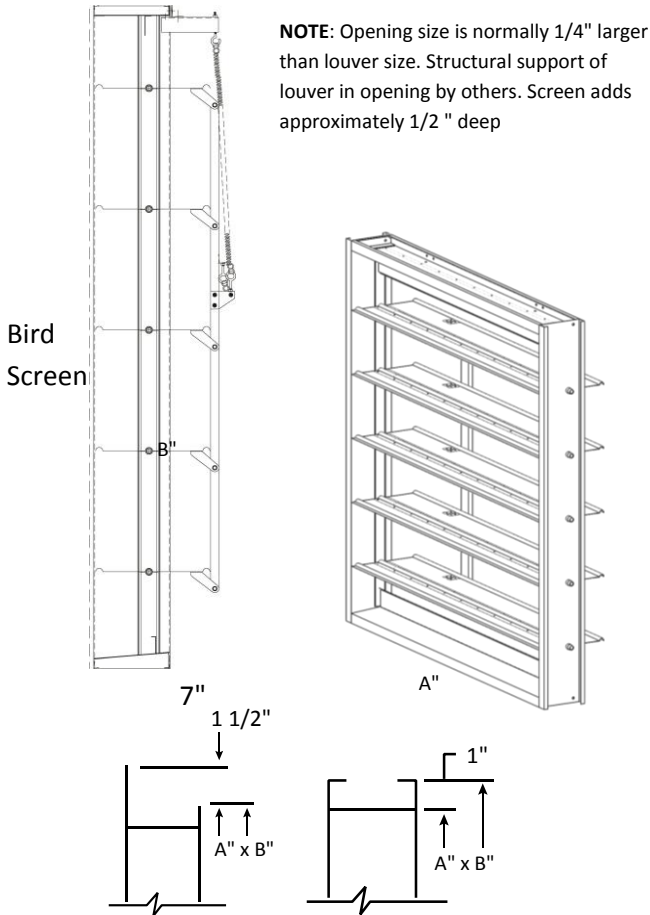
### APPLICATION

- |                   |                          |                           |
|-------------------|--------------------------|---------------------------|
| • Steel Plants    | • General Manufacturing  | • Pulp and Paper Plants   |
| • Aluminum Plants | • Chemical Plants        | • Gypsum Wallboard Plants |
| • Glass Plants    | • Mine Processing Plants | • Plastics Plants         |
| • Power Plants    | • Warehouses             |                           |

### PRODUCT DESCRIPTION

LV-9090 90° louvers are designed to provide maximum free area for high volume requirements with low static pressure. Used primarily in high heat applications for intake air. These louvers are optimal for reducing negative air pressures within the building.

## LV9090 Product Details



**NOTE:** Opening size is normally 1/4" larger than louver size. Structural support of louver in opening by others. Screen adds approximately 1/2" deep

**Frame Construction**

Standard Heights For Minimum Blank Off		
Nominal Height	Actual Height	# of Blades
26.75"	26.5"	2
36.75"	36.5"	3
46.75"	46.5"	4
56.75"	56.5"	5
66.75"	66.5"	6
76.75"	76.5"	7
86.75"	86.5"	8
96.75"	96.5"	9
106.75"	106.5"	10
116.75"	116.5"	11

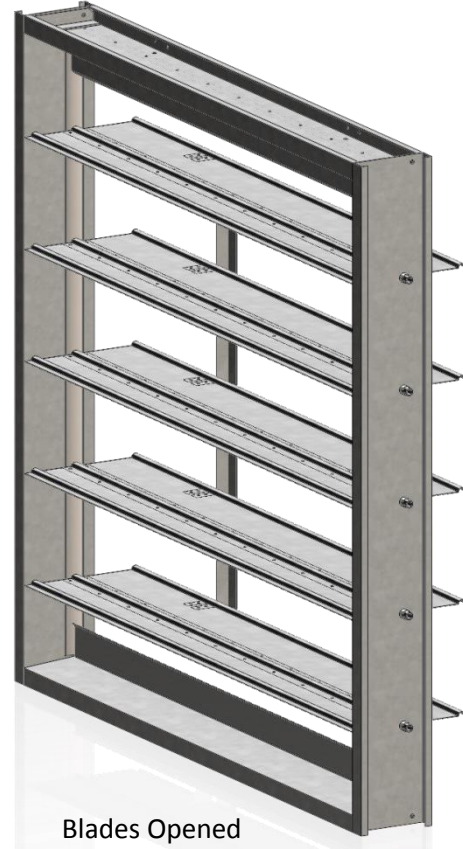
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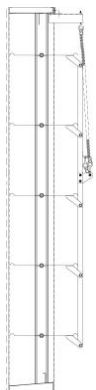
### Optional Features

- Blade Seals; Multiple panel, width x height configurations
- Frame: Face Flange
- Materials:
  - Galvanized steel
  - Aluminum
  - Specialty Alloy
- Screen:
  - Aluminum Insect, 3/4" mesh
  - Expanded Aluminum
  - Stainless Steel, 1/2" mesh
- Finish:
  - Urethane to color match
- Operators
  - Manual chain pull & hand crank operators
  - Hand wheel and hack-shafting operator
  - 115v motor operator

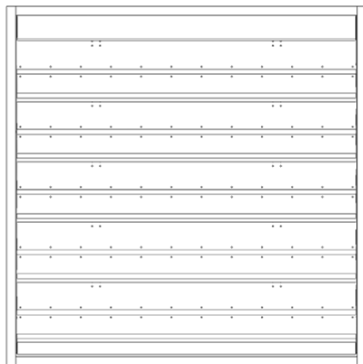
## LV9090 Diagrams



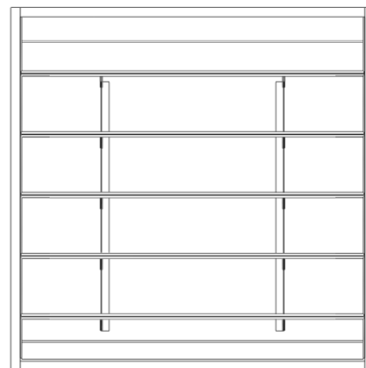
Blades Opened exterior



Blades Opened side view



Blades Closed exterior



Blades Opened exterior

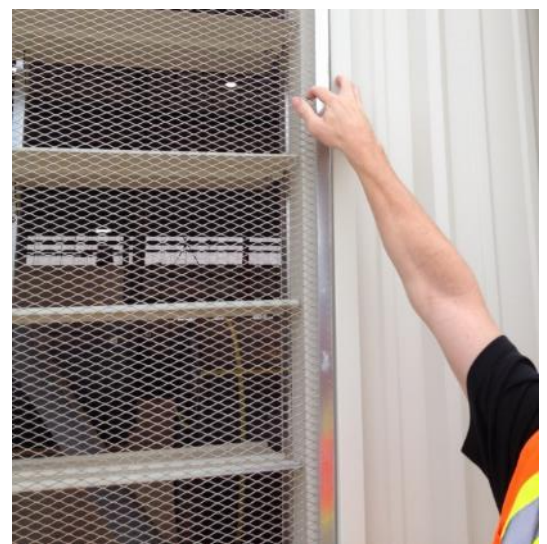
**LV9090 Photos**



Blades Closed  
interior



Blades Opened  
interior



Birdscreen

## LV9090 Adjustable Blade Wall Louver Guide Specification

### 1.1. DESCRIPTION

Furnish and install LV9090 Adjustable Blade Wall Louver with accessories as shown on the drawings.

### 1.2. QUALITY ASSURANCE

MOFFITT (Jacksonville, FL, 1-800-474-3267) Products establish the standard of quality required. Manufacturer and erector shall demonstrate a minimum of five (5) years of related industry experience.

### 1.3. SUBSTITUTIONS

No substitutions will be considered unless written request for approval has been submitted by the bidder and has been received by the designer at least ten (10) days prior to bid date. Any proposed substitutions should meet the standards set by the specification.

### 1.4. SUBMITTALS

Furnish approval drawings prior to fabrication and erection drawings prior to shipment showing all erection procedures and accessories required for the specified product.

### 2.1. DESIGN

The LV9090 Adjustable Blade Wall Louver shall be designed with a 0.86 coefficient of discharge. Typically used in high heat applications or where large quantity of air is required in a small space. The maximum louver assembled panel shall be 72" wide x 116.5" high. Larger sizes to be field assembled, in multiple panel sections Frame to be channel frame design.

### 2.2. MATERIALS

The LV9090 Adjustable Blade Wall Louver frame shall be fabricated from 12ga Galvanized Sheet Steel material x 7" deep. Blades shall be 18ga Galvanized Sheet Steel material positioned for 90° angle max operation and approximately 10" on centers. Louver to be mill finish and factory assembled. Heavy duty, self-lubricating nylon bearings to be provided with plated steel linkage and continuous on blade pivot pipe. Operator to be spring loaded pull chain with 10' chain & chain clip.

### 2.3. ACCESSORIES (Select as required)

- 2.3.1. Louver to have \_\_\_\_ bird screen
- 2.3.2. Louver to have neoprene blade seals
- 2.3.3. Louver to have stainless steel jamb seals.
- 2.3.4. Louvers to have Insect Screen – 18-16 Mesh
- 2.3.5. Louvers to have coating to color match

### 3.1. INSPECTION

Examine alignment of structural steel prior to installation and do not proceed until structure is within tolerances established by AISC.

### 3.2. INSTALLATION AND ERECTION

Install LV9090 Adjustable Blade Wall Louvers and accessories in conformance with approved drawings and MOFFITT specifications.

### 3.3. DAMAGED MATERIAL

Repair or replace all damaged material.