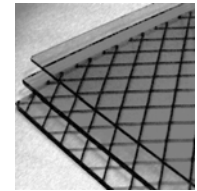


Air Louvers has been an industry leader in manufacturing door louvers and vision lites for the hollow metal and wood door industries for over 30 years. Our products include such options as UL and Warnock Hersey (ITC) approval for fire and safety-rated requirements, fire-listed and safety-rated glazing, detention and security grade options, for a wide variety of applications. To complement our complete line of lites and louvers, we offer a selection of door edges and astragals to enhance your door package. We also offer custom-design and manufacturing of door lites and louvers for your specialty application.

## GLAZING

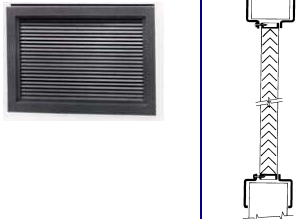
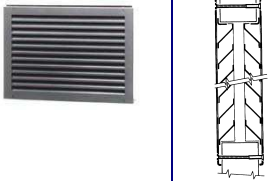



Air Louvers carries an extensive line of fire-rated, safety-rated and non-rated glazing. From Category II-rated wire glass to 90 minute heat barrier products, we work with you to help you meet the job specifications.



FIRE-RATED AND IMPACT-RATED GLASS			
<b>Fire and Impact-rated Filmed Wired Glass.</b>	<b>Wire glass with safety film applied – ¼”</b> UL 9, 10B, 10C, UBC 7-2, UBC 7-4 Positive Pressure ANSI Z97.1 and CPSC 16 CFR 1201 CAT I & II impact rating.	Up to 90 Minutes	<b>WireShield</b>
<b>Impact-Rated Tempered Glass</b>	<b>Safety-rated glazing for non-fire-rated applications - ¼”</b> ANSI Z97.1 & CPSC 16CFR 1201 CAT I & CAT II impact rating.	--	<b>Tempered</b>
<b>Fire-rated Traditional Wired Glass</b>	<b>Wire Glass – ¼”</b> UL 10C, UBC 7-2 Positive Pressure ANSI Z97.1	Up to 90 Minutes	<b>Wire Glass</b>
<b>Fire and Impact-rated Glass</b>	<b>Clear Glass</b> UL 10C, UBC 7-2 Positive Pressure ANSI Z97.1 and CPSC 16 CFR 1201, STC Rating: 28 CAT I & II impact rating.	Up to 20 Minutes	<b>Pyroswiss®</b>
<b>Fire and Impact-rated Ceramic Glass</b>	<b>Ceramic glazing - 3/16-5/16”</b> UL 10C, UBC 7-2 Positive Pressure ANSI Z97.1 & CPSC 16CFR 1201 Keralite FRF: STC Rating: 28 CAT I & II impact rating (Keralite Ultra is Heat-Barrier Rated)	Up to 90 Minutes	<b>Keralite FRF® Keralite FR-Ultra®</b>
<b>Laminated Fire and Impact -rated Filmed Glass with Heat Barrier</b>	<b>Two lites of laminated safety glass separated by an intumescent interlayer - Various Thicknesses</b> UL 10C, UBC 7-2 Positive Pressure ANSI Z97.1 & CPSC, 16CFR 1201, STC Rating: 43 CAT I & II impact rating. (the interlayer absorbs radiant energy from the fire, reducing the transmission of heat to the non-fire side of the door)	Up to 90 Minutes	<b>Swissflam® Contraflam®</b>
<b>Laminated Ceramic Fire and Impact-rated Glass</b>	<b>Ceramic glazing - 5/16-3/4”</b> UL 10C, UBC 7-2 Positive Pressure ANSI Z97.1 & CPSC 16CFR 1201, CAT I & CAT II impact rating.	Up to 90 Minutes	<b>Keralite FRL®</b>
<b>Polycarbonate &amp; Other</b>	Available upon Request	Various	

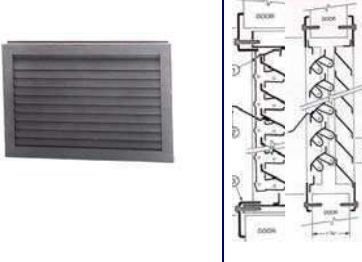
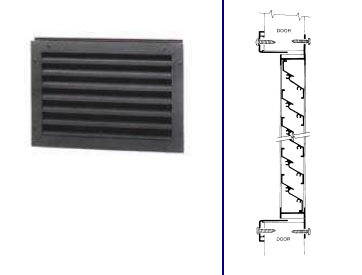
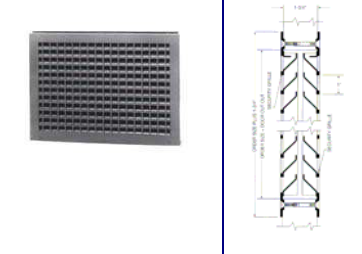

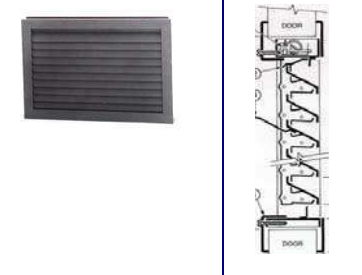

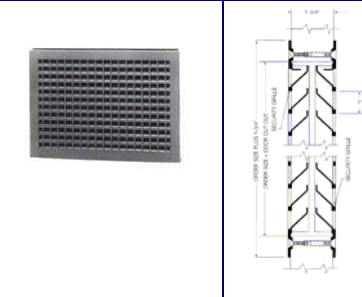
# DOOR LOUVERS

Our door louvers line features a wide variety of sizes and blade configurations to meet needs for fire-rated, non-vision, adjustability and mounting specifications. Door louvers are available in steel, electro-galvanized, galvanized sheet and aluminum models.

LOUVERS			
<p><b>Inverted V-Blade – Steel</b></p> <p><b>Inverted V-Blade - Aluminum</b></p>	<p>600 A, A1, Core 1300A, 1300A1, 1300C, 1300CORE</p>	<p><b>Class “A” Buildings</b></p> <p><b>Non-Vision</b></p> <p><b>Single-Sided Fastening</b></p>	
<p><b>Inverted Split Y-Blade,</b></p>	<p>700A</p>	<p><b>For Non-Standard Doors &gt; 1-3/8”</b></p> <p><b>Non-Vision</b></p> <p><b>Thru-bolt Installation</b></p>	
<p><b>Standard Z-Blade</b></p> <p><b>Z-Blade for Transoms</b></p>	<p>900 A, 900A1, 900 CORE</p> <p>700TL</p>	<p><b>Class “A” Buildings</b></p> <p><b>Non-Vision</b></p> <p><b>Single-Sided Fastening</b></p> <p><b>Flush Mounting in Hollow Metal</b></p> <p><b>Transom Frames Non Vision</b></p>	
<p><b>Inverted Y-Blade</b></p> <p><b>Inverted Y-Blade - Round</b></p>	<p>800A,800A1, 800 CORE 800R</p>	<p><b>One-piece Construction with 1-side Fasteners</b></p> <p><b>Non-Vision</b></p> <p><b>Single-Sided Fastening</b></p>	
<p><b>Overlapping Channel Blades</b></p>	<p>1000A, 1000C, 1000 CORE</p>	<p><b>Lightproof for Darkrooms and X-ray Rooms</b></p>	

# DOOR LOUVERS


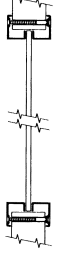

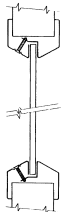

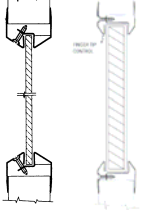

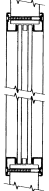
As a division of the Activar Construction Products Group, Air Louvers has multiple shipping locations for our most popular vision and lite kits. In addition to our manufacturing location in Commerce, CA, we have warehouse locations in Bloomington, MN, Lancaster, PA, and Atlanta, GA.

<b>LOUVERS</b>			
<p><b>Adjustable Z-Blades</b> <b>Twin Adjustable Z-Blades</b></p>	<p>1100A, 1100C, 11000 CORE 1200A</p>	<p><b>Manually-Operated Adjustable Louver for Class "A" Buildings</b> <b>Single-Sided Fastening</b></p>	
<p><b>Storm-proof Aluminum Z-Blades</b></p>	<p>1400A, 1400C, 1400 CORE</p>	<p><b>Storm-proof Louver with Water Baffle for Class "A" Buildings</b> <b>Non-Vision</b> <b>Single-Sided Fastening</b></p>	
<p><b>Inverted Y-Blades with Security Grille</b></p>	<p>1500-A</p>	<p><b>Two Piece Louver for Class "A" and Institutional Buildings. Security Grill on Interior and Exterior with 13/16" Openings</b> <b>Non-Vision</b> <b>Thru-bolt Installation</b></p>	
<p><b>Fire-Rated Adjustable Z-Blades</b></p> 	<p>1900A 1900ASG</p>	<p><b>UL and WHI Listed for up to 1-1/2 Hour Rating. Self-locking Mechanism</b> <b>Single-Sided Fastening</b></p>	
<p><b>Hurricane &amp; High Wind Velocity, Y-Blade Louver with Security Grille</b></p> 	<p>1500A-HRC</p>	<p><b>350 ft/lb Impact Rating</b> <b>CP Rating – 60 PSF</b> <b>Thru-bolt Installation</b></p>	

# DOOR LITES/VISION LITES



Air Louvers' line of UL and ITS-rated vision lites features square, rectangular, round, oval and half circle frames with other custom frame shapes available. Security models, utilizing glass up to 1-1/2" thick are also available. Our exclusive VLF-EZ design makes lites easier to install by using fewer fasteners and eliminating the need for glazing tape. The result is a cleaner, more aesthetically pleasing appearance, and reduced installation time.

VISION LITES			
<b>Standard</b> * Round, Half Circle * Radius Corner * Glass up to 1-12" * Double Glazing * With Privacy Cover * With Security Grille * Security w/wo Speaker Panel * Custom Shapes	<b>VLF</b> VLF-R, VLF-RD VLF-RC, VLF-RI VLF-IG VLF-DG VLF-PVC VLF-SG VLF-S10, VLF-S10-SP	<b>Fire-Rated</b> <b>Safety-Rated</b> UL 10C, UBC 7-2 Pos. <b>Pressure</b> <b>Thru-Bolt Installation</b> 1/16" or 1/4" Glass	 
<b>Standard Beveled</b> * Glass up to 1" * With Mini Blind * Large Lites with Glass	<b>VLF-EZ</b> VLF-IG VLF-EZ-MB VL3000	<b>Fire-Rated</b> <b>Safety-Rated</b> UL 10C, UBC 7-2 Pos. <b>Pressure</b> <b>Single-Sided Fastening</b> 1/16" or 1/4" Glass	 
<b>Low Profile Beveled</b> * Glass up to 1" * Round * With Mini Blind	<b>VSL Slimline</b> VSL-IG SL-R Slimline-IG-MB	<b>Fire-Rated</b> <b>Safety-Rated</b> UL 10C, UBC 7-2 Pos. Pressure <b>Single-Sided Fastening</b> 1/16" or 1/4" Glass	 
<b>Hurricane &amp; High Wind Velocity</b>	<b>VLF-EZ-HRC</b> <b>VLF-IG-HRC</b>	<b>Severe Windstorm Approved</b> ANSI A250.13 TAS 201, 202, 203 ASTM E330, E1886, E1986 350 ft/lb Impact Missile Level D Structural Tested	 

## Metal Edges & Astragals for Doors

Choose from a selection of door edges & astragals for 1-3/4" doors for the best solution to your door protection problems. Many configurations are available, and we can also customize your order with special paints, wood veneer, special cut-outs or lengths in our fabrication facility. Check out our line of stainless steel hinge guards on our website.

The Activar Construction Products Group (ACPG) consists of 5 affiliated companies that serve the commercial construction industry. Our multiple product lines are a single source for architects and distributors. Air Louvers manufactures products for the openings market with door lites, louvers and rated glass. Hiawatha is known for its quality architectural door hardware and frameless shower door products. JL Industries is an industry leader in life safety and fire protection, providing fire extinguishers, AED's and cabinets, access panels, roof opening products and entrance flooring systems. Samson Products manufactures many of the products sold under the JL label and is a distribution center on the West Coast. Thomas Enterprises is our Southeast warehouse for JL products and has a state-of-the-art aluminum fabrication facility for fire extinguisher cabinets sold under the Thomas and JL labels.



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