

MODEL P501

STANDARD CONSTRUCTION

- **Material:** Extruded Aluminum 6063-T6
- **Frame:** 5" (127 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade:** 4" (102 mm) Deep, 0.081" (2.1 mm) Wall Thickness
- **Blade Spacing:** 2" (50.8 mm) On Center
- **Face Plate:** 0.125" (3.2 mm) Perf. Alum. 1/2" Dia. Holes 11/16" O.C.
- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

OPTIONAL ACCESSORIES

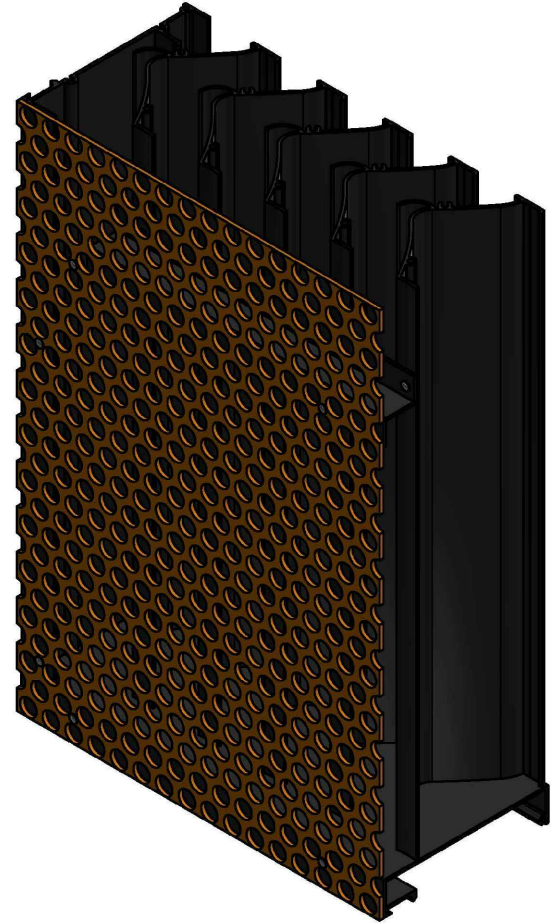
- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Insulated & Non-Insulated Blank Off Panels
- Hinged Access Panels

FINISHES

- **Face Plate Finish Options**
 - **2-Coat Fluoropolymer:** Fluoropon Pure® 70% PVDF (AAMA 2605)*
 - **3-Coat Fluoropolymer:** Fluoropon Pure® 70% PVDF (AAMA 2605)*
 - **Anodic Finishes:** Class I & Class II, Clear & Bronze Spectrum
 - *Fluoropon Pure® is Living Building Challenge Red List Free
 - *Custom Colors Available
- **Rear Louver Finish**
 - Black 2-Coat Fluoropon Pure® 70% PVDF (AAMA 2605)

SUGGESTED SPECIFICATIONS

- **General:** Furnish and install where indicated on drawings
5" (127 mm) Storm Performance Louver Model P501 as manufactured by Industrial Louvers, Inc. Delano, MN.
- **Material:** Extruded aluminum frames and blades shall be one piece 6063-T6 alloy, designed to collect and drain water to the exterior at the sill. Frame shall have a material thickness of 0.081" (2.1 mm). Fixed blades shall have a material thickness of 0.081" (2.1 mm). Frames and blades shall be joined by stainless steel fasteners. Face plate shall be 0.125" (3.2 mm) thick perforated aluminum with 1/2" diameter holes on 11/16" staggered centers. Face plate shall be held off the face of the louver to help maintain consistent panel transparency.



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PERFORMANCE

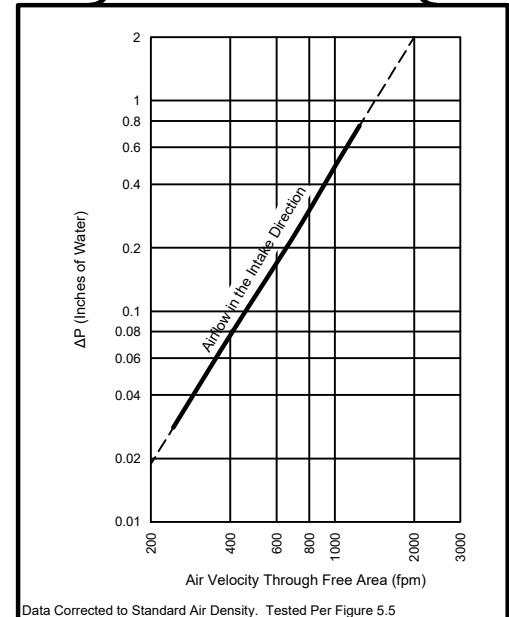
- Free Area = 7.32 ft² (45.7%)
 - Beginning of Water Penetration = 1036 fpm / 7583 cfm
 - Air Flow @ ΔP of 0.15" Water = 559 fpm / 4091 cfm
- *All Ratings Based on 48" x 48" Test Specimen
 *Ratings Include the Effect of a Sill Pan

FREE AREA (ft²)

Louver Height	120 in	2.52	7.94	13.35	18.77	24.18	29.61
	108 in	2.26	7.13	11.99	16.86	21.72	26.60
	96 in	2.00	6.32	10.63	14.96	19.26	23.59
	84 in	1.75	5.52	9.28	13.05	16.81	20.58
	72 in	1.49	4.71	7.92	11.14	14.35	17.56
	60 in	1.24	3.90	6.56	9.23	11.89	14.55
	48 in	0.98	3.09	5.20	7.32	9.43	11.54
	36 in	0.73	2.29	3.85	5.41	6.97	8.53
	24 in	0.47	1.48	2.49	3.50	4.51	5.52
	12 in	0.21	0.67	1.13	1.59	2.05	2.51
Louver Width	12 in	24 in	36 in	48 in	60 in	72 in	

- Effects of blade stiffeners or additional bracing has not been considered.
- Effects of screen or other accessories has not been considered.
- Contact Industrial Louvers for free area of other sizes.
- 1 in = 25.4 mm
- 10.76 ft² = 1 m²

AIR PERFORMANCE



WIND DRIVEN RAIN

	Ventilation Air Velocity	0.0 m/s	0.5 m/s	1.0 m/s	1.5 m/s	2.0 m/s	2.5 m/s	3.0 m/s	3.5 m/s
Rainfall Rate: 3 in/hr	Core Velocity	-	-	-	-	-	486 fpm	590 fpm	692 fpm
Wind Velocity: 29 mph	Effectiveness	-	-	-	-	-	100.0%	98.3%	76.8%
	Penetration Class	A	A	A	A	A	A	B	D
Rainfall Rate: 8 in/hr	Core Velocity	-	95 fpm	197 fpm	292 fpm	404 fpm	490 fpm	592 fpm	686 fpm
Wind Velocity: 50 mph	Effectiveness	-	100.0%	99.9%	99.3%	96.8%	91.5%	78.9%	54.4%
	Penetration Class	A	A	A	A	B	C	D	D

■ Discharge Loss Coefficient = 0.18 (Class 4)

All performance data is based on testing performed on the rear louver core only. Effects of the perforated face plate have not been evaluated. Performance is not certified or guaranteed.

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- **Sill Flashing:** 0.063" (1.6 mm) Formed Aluminum W/ End Dams

OPTIONAL ACCESSORIES - Mark All Required Options

- Bird Screen - 1/2" x 0.063" Flattened Expanded Aluminum
- Insect Screen - 18 x 14 Mesh Charcoal Aluminum
- Extended Sill Flashing
- Insulated & Non-Insulated Blank Off Panels
- Hinged Access Panels

FINISHES - Select One

- **Face Plate Finish Options**
 - **2-Coat Fluoropolymer:** Fluoropon Pure® 70% PVDF (AAMA 2605)*
 - **3-Coat Fluoropolymer:** Fluoropon Pure® 70% PVDF (AAMA 2605)*
 - **Anodic Finishes:** Class I & Class II, Clear & Bronze Spectrum
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Mark	Qty	Circle One: Louver Size / Rough Opening		Num. of Sections	Notes
		Width	Height		

Please complete table above for quotation or immediate release to production.
Indicate any required optional accessories and finishes listed above.

