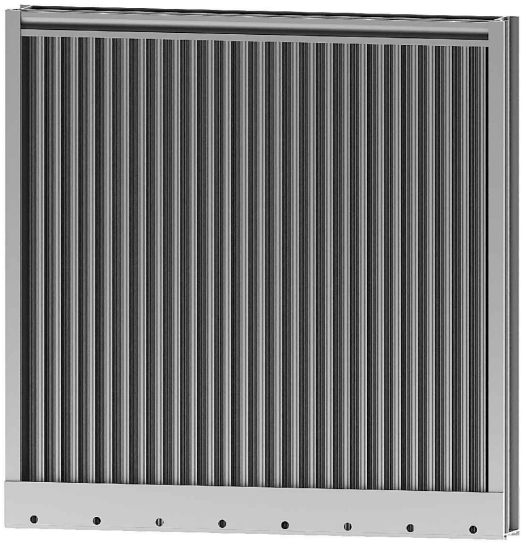
Air Performance

P.O. BOX 86
159 GENCO DRIVE
HARTFORD, AL 36344
PHONE: (334)-588-0070
FAX:(334)-588-0071

WDV-75 STATIONARY LOUVER

AMCA 540 & 550 Listed

STANDARD CONSTRUCTION:



Frame: 6063-T6 extruded aluminum, 3" depth, 0.081" nominal wall thickness.

Blade: 6063-T6 extruded aluminum, 0.125 nominal wall thickness, blades positioned vertically on .813" centers.

Birdscreen: 1/2" X 0.063" intercrimped aluminum mesh in removable frame.

Finish: Mill

Minimum size: 12"W X 12"H

Maximum Single Section: 60"W X 96"H . Louvers exceeding max single section size will be built in multiple sections and require field assembly

Options:

- ☐ Extended sill
- ☐ Insect screen and bird screen(various options of screen types)
- ☐ Filter racks
- ☐ Security bars
- ☐ Blank-off, alum., non-insulated, sheet panels with various thickness options
- ☐ blank-off, alum., insulated with various r value & thickness options, encapsulated within sheet panels with various metal thickness options.

Air Performance, LLC. certifies that the product line shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA publication 511 and comply with the requirements of the AMCA certified ratings program. The AMCA certified rating seal applies to water penetration, air performance, and wind driven rain ratings for rectangular louvers only.

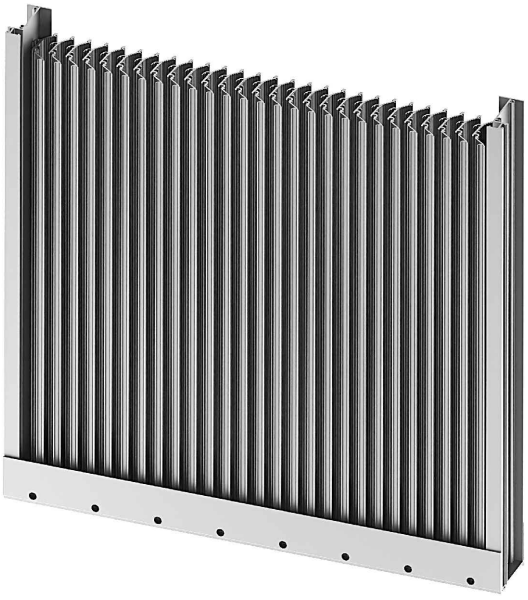
Performance:

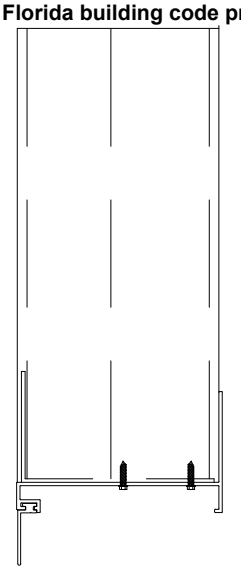
-47.94% Free area
-Beginning point of water penetration lies above 1250 fpm
- "A" rating Water Penetration

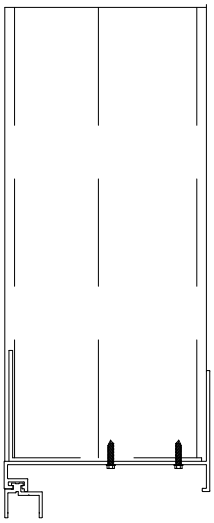
Available Finishes:

O Kynar (2 coat & 3 coat)
O Prime coat
O Clear and color anodize

Miami-Dade County, Florida notice of acceptance #: 25-0805.07
Florida building code product approval # 41627.1







FLANGE ADAPTER OPTION **GLAZING ADAPTER OPTION**
(OTHER GLAZING OPTIONS AVAILABLE)

Revised: 11/24/2026

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WDV-75 LOUVER PERFORMANCE DATA

Test size 1m x 1m(39"w x39"h) core
47.5"w x 47.5"h Nominal (1.21m x 1.21m)

Wind Driven Rain Penetration Classes	
Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.8

* Discharge Loss Intake		
Wind Velocity (mph)	Class	
	Intake	Exhaust
29	3	2
50	3	2

* Discharge loss coefficient is the theoretical air flow of an opening divided by the actual flow rate of a louver the same size.

Class	Discharge Loss Coefficient
1	0.4 and above
2	0.3 to 0.399
3	0.2 to 0.299
4	.0199 and below

(the higher the coefficient, the less resistance to airflow.)

75 mm/h (3in/h) Rainfall & 13 m/s (29 mph) Wind Velocity		
Ventilation Air Core Velocity m/s (fpm)	Water Penetration Effectiveness %	*Water Penetration Classification
5.04 (993)	100	A

*AMCA Classes for maximum allowable water penetrations

200 mm/h (8in/h) Rainfall & 32 m/s (50 mph) Wind Velocity		
Ventilation Air Core Velocity m/s (fpm)	Water Penetration Effectiveness %	*Water Penetration Classification
5.04 (993)	100	A

*AMCA Classes for maximum allowable water penetrations

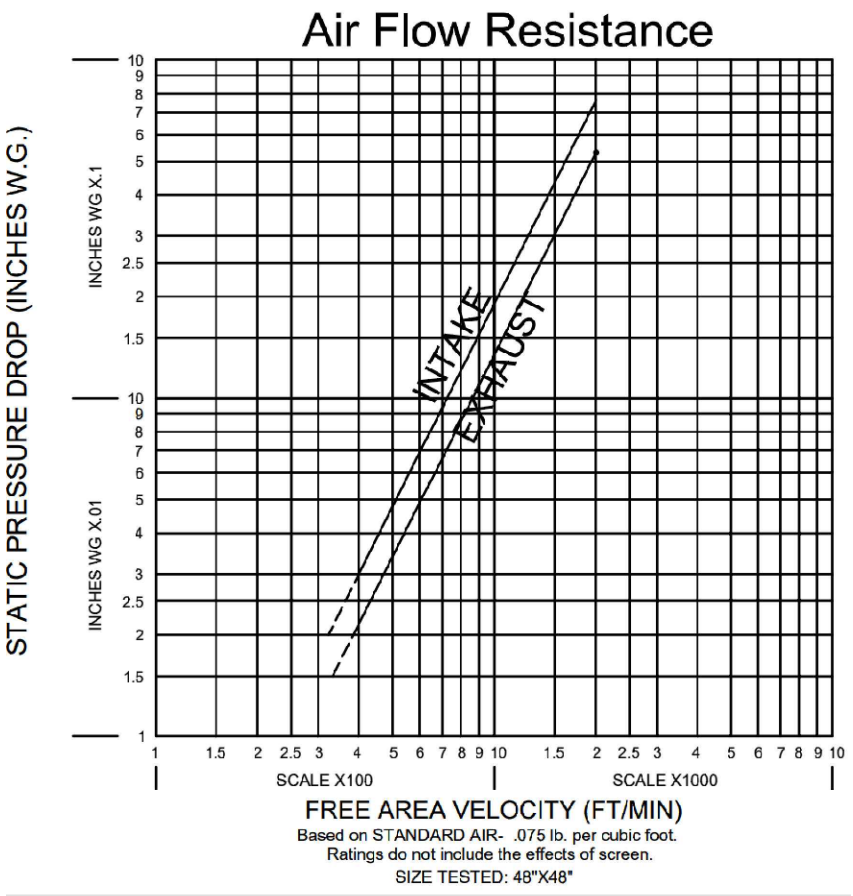
_____CFM / _____FPM = _____SQFT

AIR FLOW VOLUME | FREE AREA VELOCITY @ BEGINNING POINT OF WATER PENETRATION | REQUIRED LOUVER FREE AREA

SELECT LOUVER SIZE FROM FREE AREA CHART BELOW, BASED ON REQUIRED LOUVER FREE AREA ABOVE

DETERMINE PRESSURE DROP FROM PRESSURE DROP CHART BASED ON REQUIRED LOUVER FREE AREA

PRESSURE DROP
(BASED ON 48" X 48" LOUVER)



Based on STANDARD AIR- .075 lb. per cubic foot.
Ratings do not include the effects of screen.
SIZE TESTED: 48"X48"

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Louver Height Inches	WDV-75 FREE AREA IN SQ. FT — Width - Inches									Louver Height Inches
	12	18	24	30	36	42	48	54	60	
12	0.29	0.47	0.68	0.87	1.07	1.26	1.44	1.65	1.83	12
18	0.49	0.81	1.16	1.47	1.83	2.14	2.45	2.80	3.12	18
24	0.69	1.14	1.64	2.08	2.58	3.02	3.46	3.96	4.40	24
30	0.90	1.47	2.11	2.68	3.33	3.90	4.47	5.12	5.69	30
36	1.10	1.80	2.59	3.29	4.08	4.78	5.48	6.27	6.97	36
42	1.30	2.13	3.07	3.89	4.84	5.66	6.49	7.43	8.26	42
48	1.50	2.46	3.54	4.50	5.59	6.54	**7.43**	8.59	9.54	48
54	1.70	2.79	4.02	5.11	6.34	7.43	8.51	9.74	10.83	54
60	1.91	3.12	4.50	5.71	7.09	8.31	9.52	10.90	12.11	60
66	2.11	3.45	4.98	6.32	7.85	9.19	10.53	12.06	13.40	66
72	2.31	3.78	5.45	6.92	8.60	10.07	11.54	13.21	14.68	72
78	2.51	4.11	5.93	7.53	9.35	10.95	12.55	14.37	15.97	78
84	2.71	4.44	6.41	8.14	10.10	11.83	13.56	15.53	17.25	84
90	2.91	4.77	6.89	8.74	10.86	12.71	14.57	16.68	18.54	90
96	3.12	5.10	7.36	9.35	11.61	13.59	15.58	17.84	19.82	96

Revised: 11/24/2026