Weather Protective Blade Louver in 6" thick frame design Model AFC-64

Features – High performance adjustable design to satisfy systems requiring periodic operation.

STANDARD CONSTRUCTION

FRAME
6" deep, frame is 18 gauge (1.3) galvanized steel in style #3

ADJUSTABLE BLADES
4" deep, blades are 20 gauge (1.0) galvanized steel, 0°

BLADES AXLES & BEARINGS
Axles – Plated shaft
Bearings- ½" (13) Bronze oil impregnated

LINKAGE
Mounted on blades at center point of width dimension

MAXIMUM SIZE
Unlimited, with mullions, structural bracing supplied by others

MAXIMUM SINGLE SECTION
60"w x 96"H (1219 x 2438) (allows for best handling)

MULLIONS
Visible

MINIMUM SIZE
12" W x 12" H (305 x 305)

UNDERSIZED
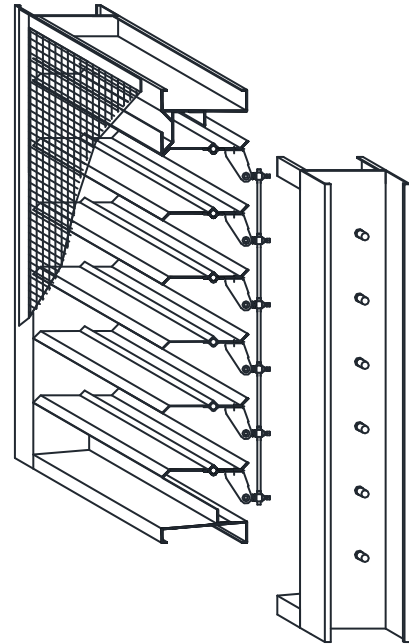3/8" (10) under ordered size unless specified Exact or Actual

SCREEN
1/2" (13) wire mesh 19 gauge (1.1) galvanized bird screen in frame on face

FINISH
Mill

OPERATOR
Standard Manual Operator

OPTIONAL CONSTRUCTION

FRAME – Available in a heavier construction up to 10 gauge
BLADES - Available in a heavier construction up to 16 gauge
SPECIFIED MATERIAL – Aluminum, Stainless or as requested
SCREENS - Many styles available please consult screen listing
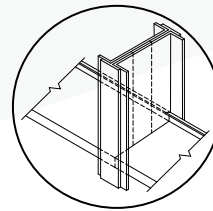**LINKAGE –** Concealed in jamb
FINISH – Air-dry primer, polyurethane, epoxy, or enamel. Baked epoxy or enamel. Kynar (Kynar limitations on steel.)
OPERATOR - Wingnut, electric or pneumatic
BLADE & JAMB SEALS – Neoprene blade edge and/or flexible metal jamb seals
(Note: With seals daylight shall still be visible between blades and on the sides.)
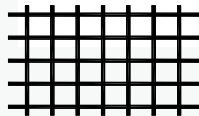
SPECIAL PURPOSE CONSTRUCTION.

Security bars
Filter racks
Hinged as walk through door or for swing out access
Sleeved for ductwork connection

TYPICAL SCREEN STYLE

Wire Mesh - Standard

MULLION STYLE

Visible

PERFORMANCE
Point of water penetration **N/A**
Free area 48 x 48 section **79%**

FRAME STYLES
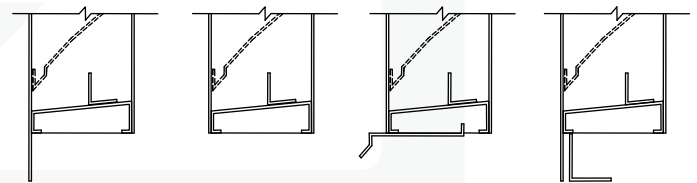
1- Flange (1.5") | 3 - Box | 8 - Box with Sill Extension | 9 - Flange with Sub Frame

DATE	ARCHITECT		ENGINEER	
PROJECT				
ITEM	QTY	W	H	DESCRIPTION

DOWCO Products Group
A division of Safe Air of Illinois

DOWCO PRODUCTS GROUP

Engineering and General Offices
1855 South 54th Avenue, Cicero, Illinois 60804
Phone 708-652-9100   FAX 708-652-9158

All free area calculations made in accordance with AMCA standards.

AIR PERFORMANCE

Pressure Loss inches (WG)

open position

FREE AREA VELOCITY (fpm)
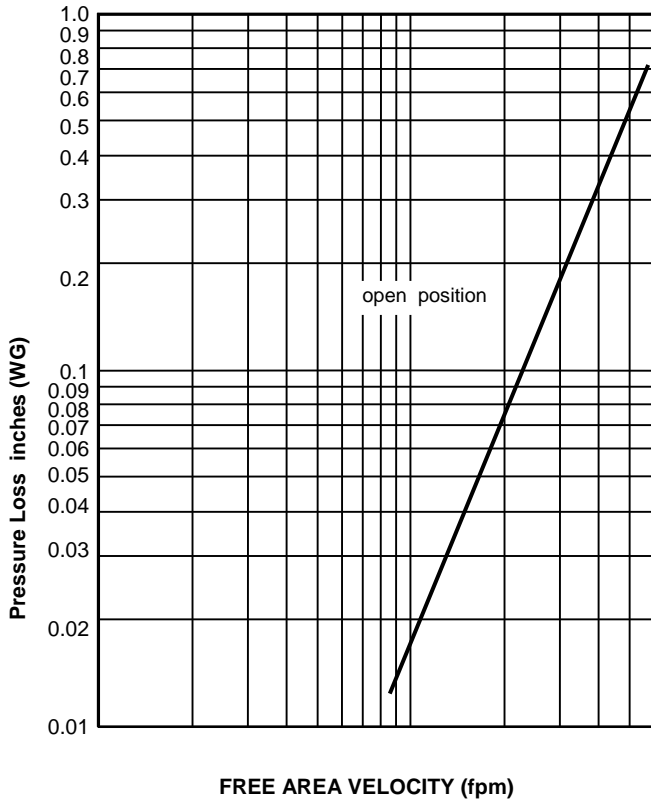
CALCULATING PRESSURE LOSS:
Based upon a given flow rate (in CFM), the flowing pressure loss may be determined from the "air performance graph, knowing the sq. ft. of free area of the damper. Alternately, the free area may be determined based upon a volumetric flow rate and a maximum pressure loss. Utilizing the "air performance" graph.

_____in. W.C. Max. Pressure Loss Intake or Exhaust

_____FPM (Free Area Velocity From "Air Performance" Graph)

_____CFM / _____ FPM Free Area Velocity = _____Sq. Ft. Free Area

FREE AREA CALCULATIONS IN SQ. FT.

W I D T H

Inches	12	18	24	30	36	42	48	54	60
12	0.56	0.90	1.24	1.57	1.91	2.25	2.58	2.92	3.26
18	0.94	1.51	2.08	2.64	3.21	3.78	4.34	4.91	5.48
24	1.33	2.12	2.92	3.72	4.51	5.31	6.10	6.90	7.70
30	1.66	2.65	3.64	4.63	5.63	6.62	7.61	8.61	9.60
36	2.04	3.26	4.48	5.71	6.93	8.15	9.37	10.60	11.82
42	2.42	3.87	5.33	6.78	8.23	9.68	11.14	12.59	14.04
48	2.75	4.40	6.05	7.70	9.35	11.00	**12.65**	14.29	15.94
54	3.13	5.01	6.89	8.77	10.65	12.53	14.41	16.29	18.16
60	3.51	5.62	7.73	9.84	11.95	14.06	16.17	18.28	20.38
66	3.84	6.15	8.45	10.76	13.07	15.37	17.68	19.98	22.29
72	4.23	6.76	9.30	11.83	14.37	16.90	19.44	21.97	24.51
78	4.61	7.37	10.14	12.90	15.67	18.43	21.20	23.96	26.73
84	4.94	7.90	10.86	13.82	16.78	19.75	22.71	25.67	28.63
90	5.32	8.51	11.70	14.89	18.09	21.28	24.47	27.66	30.85
96	5.70	9.12	12.54	15.97	19.39	22.81	26.23	29.65	33.07

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