

**MODEL FLID-4**

**INTAKE / DISCHARGE LOUVER**

**STANDARD CONSTRUCTION:**

**FRAME:**

0.081 [2.06mm] Extruded Aluminum 4.19" [106mm] deep.

**BLADES:**

0.090 [2.29mm] Formed Aluminum Positioned on a 30° angle on approximately 3" [76mm] centers.

**BIRDSCREEN:**

0.75" X 0.051" [19mm x 1.29mm] Flattened Aluminum in Removable Frame. Screen is mounted on inside (rear) as looking from exterior of building.

**FINISH:**

Mill Aluminum (Std.)

**MINIMUM SIZE:**

12"w x 16"h [304mm x 406mm]

**MAXIMUM SIZE:**

60"w x 120"h [1524mm x 3048mm] sections

**OPTIONS:**

- Flanged Frame (1.50" [38mm] std.), (1" [25.40mm] std for shapes R\_ )
- Custom Flange (1", 2", or 3" [25.40mm, 51mm, or 76mm]), (1.5", 2", or 3" for shapes R\_ [38mm, 51mm, or 76mm] )
- Glazing Adapter (0.50" or 0.75") [13mm or 19mm]
- Extended Sill
- Filter Racks (no screen)
- Security Bars     Hinged Sub Frame
- Insect Screen (Other Screens Available, See Screen Page)
- Welded Construction (Wind Load +/- 50 psf)
- Blank-off, Alum., non-insulated, no screen, non-removable
- Blank-off, Alum., non-insulated, with bird screen or insect screen
- Blank-off, Alum., insulated double wall, with bird screen, removable
- Blank-off, Alum., insulated double wall, no screen, non-removable

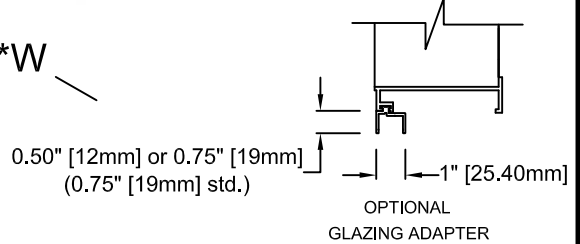
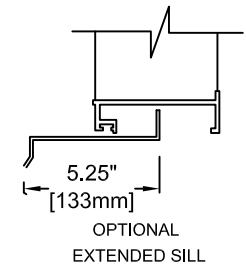
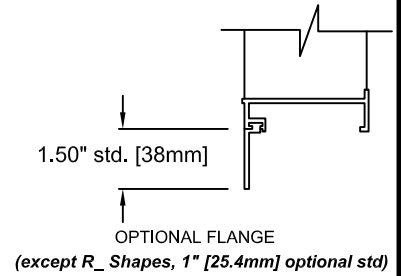
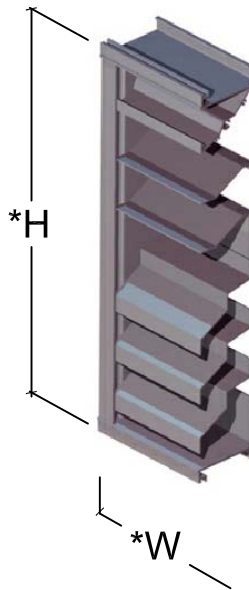
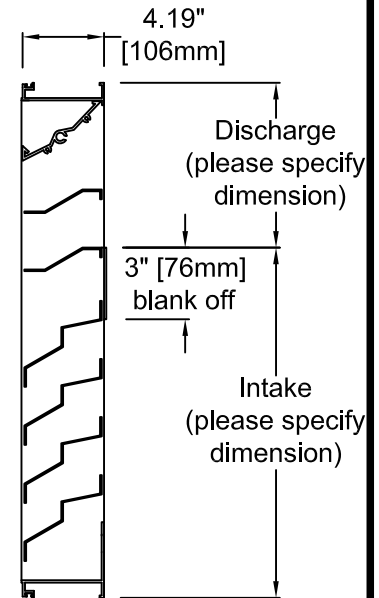
**AVAILABLE FINISHES:**

- Powder Polyester TGIC** (2 coats) baked on at 410°F [210° C], 2.5 to 3.5 mils Meets AAMA-2603 Standards
- Powder Super durable polyester** (2 coats) baked on at 410°F [210° C], 2.5 to 3.5 mils Meets AAMA-2604-05 Standards
- Acrylic baked enamel** (ACRA-BOND® ULTRA) by AkzoNobel baked on at 350°F [177° C], 0.8 to 1.2 mils dry Meets AAMA-2603 Standards
- Kynar®** (ALUM\*A\*STAR®) 2 coats by AkzoNobel baked on at 450°F [222° C], 1.2 to 1.6 mils dry Meets AAMA-2604-05 Standards
- Kynar 500®** or **HYLAR® 5000 70% TRINAR®** (2 coats) by AkzoNobel baked on at 450°F [222°C], 1.2 to 1.6 mils dry, Meets AAMA-2605-05 Standards
- Kynar 500®** or **HYLAR® 5000 (70% Tri-Escent II)** (2 coats) by AkzoNobel, a superior finish to other metallic or anodized finishes. A blend of mica, ceramic, and inorganic pigments creates subtle yet dazzling design that goes beyond metallic color without the requirement of a clear coat. 14 standard colors - custom colors available. Baked on at 415°F [213° C], 1.4 to 1.8 mils dry, meets AAMA 2605-05.
- Clear Anodize 204 R-1 Class II** (AA-C22A31)(0.4 to 0.7 mil)
- Clear Anodize 215 R-1 Class I** (AA-C22A41)(>0.7 mil)
- Integral Color Anodize** (AA-C22A42)(>0.7 mil)
- Clear coat available for all above finishes.
- Hylar® 5000 is a registered trademark of Solvay Solexis, Inc.
- Kynar® 500 is a registered trademark of Arkema.
- ALUM\*A\*STAR® 50 and TRINAR® are registered trademarks of AkzoNobel
- ACRA-BOND® ULTRA is a registered trademark of AkzoNobel

*Please specify Discharge and Intake height dimensions*

Discharge dimension: \_\_\_\_\_

Intake dimension: \_\_\_\_\_



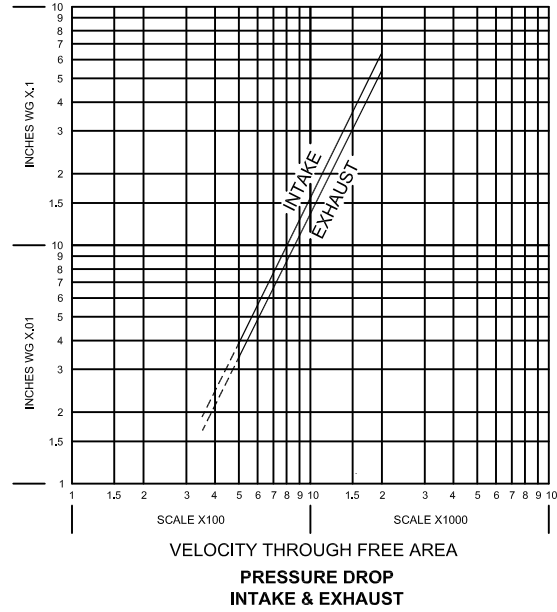
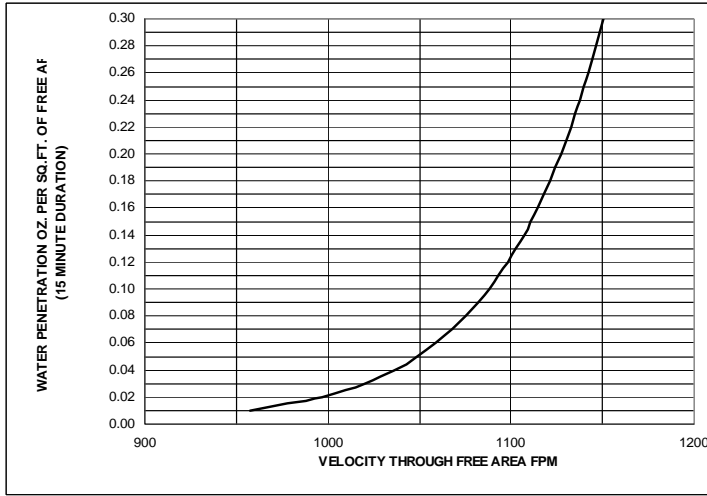
\*Width and Height dimensions are approximately 1/4" [6.35mm] under listed size  
 Due to continuing research, United Enertech reserves the right to change specifications without notice.



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<b>MODEL FLID-4 (Intake/Discharge louver)</b>					
DRAWN BY: CLJ	DATE: 4-1-10	REV. DATE: 4-17-13	REV. NO. 2	APPROVED BY: BGT	DWG. NO.: <b>A-35</b>

# MODEL FLID-4 Performance Data



**FLID-4 INTAKE FREE AREA IN SQ. FT.**

Louver Height Inches	Width - Inches																Louver Height Inches			
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102		108	114	120
12	0.18	0.30	0.41	0.52	0.63	0.75	0.86	0.97	1.08	1.20	1.31	1.42	1.53	1.65	1.76	1.87	1.98	2.10	2.21	12
18	0.41	0.66	0.91	1.16	1.41	1.66	1.91	2.16	2.41	2.67	2.92	3.17	3.42	3.67	3.92	4.17	4.42	4.67	4.92	18
24	0.63	1.02	1.41	1.80	2.19	2.58	2.97	3.36	3.75	4.13	4.52	4.91	5.30	5.69	6.08	6.47	6.86	7.25	7.64	24
30	0.86	1.38	1.91	2.44	2.97	3.49	4.02	4.55	5.08	5.60	6.13	6.66	7.19	7.71	8.24	8.77	9.30	9.82	10.35	30
36	1.08	1.75	2.41	3.08	3.75	4.41	5.08	5.74	6.41	7.07	7.74	8.41	9.07	9.74	10.40	11.07	11.74	12.40	13.07	36
42	1.31	2.11	2.92	3.72	4.52	5.33	6.13	6.94	7.74	8.54	9.35	10.15	10.96	11.76	12.57	13.37	14.17	14.98	15.78	42
48	1.53	2.47	3.42	4.36	5.30	6.24	7.19	8.13	9.07	10.01	10.96	11.90	12.84	13.78	14.73	15.67	16.61	17.55	18.50	48
54	1.76	2.84	3.92	5.00	6.08	7.16	8.24	9.32	10.40	11.48	12.56	13.65	14.73	15.81	16.89	17.97	19.05	20.13	21.21	54
60	1.98	3.20	4.42	5.64	6.86	8.08	9.30	10.52	11.73	12.95	14.17	15.39	16.61	17.83	19.05	20.27	21.49	22.71	23.93	60
66	2.21	3.56	4.92	6.28	7.64	8.99	10.35	11.71	13.07	14.42	15.78	17.14	18.50	19.85	21.21	22.57	23.93	25.28	26.64	66
72	2.43	3.93	5.42	6.92	8.41	9.91	11.41	12.90	14.40	15.89	17.39	18.88	20.38	21.88	23.37	24.87	26.36	27.86	29.36	72
78	2.66	4.29	5.92	7.56	9.19	10.83	12.46	14.09	15.73	17.36	19.00	20.63	22.27	23.90	25.53	27.17	28.80	30.44	32.07	78
84	2.88	4.65	6.43	8.20	9.97	11.74	13.52	15.29	17.06	18.83	20.61	22.38	24.15	25.92	27.70	29.47	31.24	33.01	34.79	84
90	3.11	5.02	6.93	8.84	10.75	12.66	14.57	16.48	18.39	20.30	22.21	24.12	26.04	27.95	29.86	31.77	33.68	35.59	37.50	90
96	3.33	5.38	7.43	9.48	11.53	13.58	15.62	17.67	19.72	21.77	23.82	25.87	27.92	29.97	32.02	34.07	36.12	38.17	40.21	96
102	3.55	5.74	7.93	10.12	12.30	14.49	16.68	18.87	21.05	23.24	25.43	27.62	29.80	31.99	34.18	36.37	38.55	40.74	42.93	102
108	3.78	6.11	8.43	10.76	13.08	15.41	17.73	20.06	22.39	24.71	27.04	29.36	31.69	34.02	36.34	38.67	40.99	43.32	45.64	108
114	4.00	6.47	8.93	11.40	13.86	16.33	18.79	21.25	23.72	26.18	28.65	31.11	33.57	36.04	38.50	40.97	43.43	45.90	48.36	114
120	4.23	6.83	9.43	12.04	14.64	17.24	19.84	22.45	25.05	27.65	30.25	32.86	35.46	38.06	40.66	43.27	45.87	48.47	51.07	120

**FLID-4 EXHAUST FREE AREA IN SQ. FT.**

Louver Height Inches	Width - Inches																Louver Height Inches			
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102		108	114	120
12	0.53	0.86	1.19	1.51	1.84	2.17	2.49	2.82	3.15	3.48	3.80	4.13	4.46	4.78	5.11	5.44	5.76	6.09	6.42	12
18	0.87	1.41	1.94	2.48	3.01	3.55	4.08	4.62	5.15	5.69	6.22	6.76	7.30	7.83	8.37	8.90	9.44	9.97	10.51	18
24	1.21	1.95	2.70	3.44	4.18	4.93	5.67	6.41	7.16	7.90	8.65	9.39	10.13	10.88	11.62	12.36	13.11	13.85	14.60	24
30	1.55	2.50	3.45	4.40	5.36	6.31	7.26	8.21	9.16	10.12	11.07	12.02	12.97	13.92	14.88	15.83	16.78	17.73	18.68	30
36	1.89	3.05	4.21	5.37	6.53	7.69	8.85	10.01	11.17	12.33	13.49	14.65	15.81	16.97	18.13	19.29	20.45	21.61	22.77	36
42	2.22	3.59	4.96	6.33	7.70	9.07	10.44	11.81	13.17	14.54	15.91	17.28	18.65	20.02	21.39	22.76	24.12	25.49	26.86	42
48	2.56	4.14	5.72	7.29	8.87	10.45	12.03	13.60	15.18	16.76	18.33	19.91	21.49	23.06	24.64	26.22	27.80	29.37	30.95	48
54	2.90	4.69	6.47	8.26	10.04	11.83	13.61	15.40	17.18	18.97	20.76	22.54	24.33	26.11	27.90	29.68	31.47	33.25	35.04	54
60	3.24	5.23	7.23	9.22	11.21	13.21	15.20	17.20	19.19	21.18	23.18	25.17	27.16	29.16	31.15	33.15	35.14	37.13	39.13	60
66	3.58	5.78	7.98	10.18	12.39	14.59	16.79	18.99	21.20	23.40	25.60	27.80	30.00	32.21	34.41	36.61	38.81	41.01	43.22	66
72	3.92	6.33	8.74	11.15	13.56	15.97	18.38	20.79	23.20	25.61	28.02	30.43	32.84	35.25	37.66	40.07	42.48	44.89	47.30	72
78	4.26	6.87	9.49	12.11	14.73	17.35	19.97	22.59	25.21	27.82	30.44	33.06	35.68	38.30	40.92	43.54	46.16	48.77	51.39	78
84	4.59	7.42	10.25	13.08	15.90	18.73	21.56	24.38	27.21	30.04	32.86	35.69	38.52	41.35	44.17	47.00	49.83	52.65	55.48	84
90	4.93	7.97	11.00	14.04	17.07	20.11	23.15	26.18	29.22	32.25	35.29	38.32	41.36	44.39	47.43	50.46	53.50	56.53	59.57	90
96	5.27	8.51	11.76	15.00	18.25	21.49	24.73	27.98	31.22	34.46	37.71	40.95	44.20	47.44	50.68	53.93	57.17	60.41	63.66	96
102	5.61	9.06	12.51	15.97	19.42	22.87	26.32	29.77	33.23	36.68	40.13	43.58	47.03	50.49	53.94	57.39	60.84	64.30	67.75	102
108	5.95	9.61	13.27	16.93	20.59	24.25	27.91	31.57	35.23	38.89	42.55	46.21	49.87	53.53	57.19	60.85	64.51	68.18	71.84	108
114	6.29	10.16	14.02	17.89	21.76	25.63	29.50	33.37	37.24	41.11	44.97	48.84	52.71	56.58	60.45	64.32	68.19	72.06	75.92	114
120	6.63	10.70	14.78	18.86	22.93	27.01	31.09	35.16	39.24	43.32	47.40	51.47	55.55	59.63	63.70	67.78	71.86	75.94	80.01	120