



Sand Trap Louvers

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BASIC

A louver is a ventilation product that allows air to pass through it while keeping out unwanted elements such as water, dirt, and debris. A number of fixed or operable blades mounted in a frame can provide this functionality. The basic considerations for selecting louvers are free area, water penetration and resistance to airflow (pressure loss). Once these concepts are understood, they can be used to properly apply a louver.

INTRODUCTION

We make whether resistance louver also called as drainable louver. Model WRL is high performance drainable blade type, provide excellent weather protection with superior air performance. Because of its pleasing aesthetics, it compliments to any structure's exterior styling.

Model WRL is suitable for use in exhaust as well as intake application also. Model WRL-GI is galvanized steel construction. Galvanized steel construction is economical, yet durable and the design provides excellent air performance at higher velocities as well as maximum protection against the elements. Model WRL-AL is extruded aluminum constructed drainable blade louver.

Drainable louvers are characterized by gutters incorporated at the front edge of each blade to prevent water droplets from cascading from blade-to-blade and becoming entrained in the intake air flow. Vertical gutters located in the jamb frames carry the water to the sill frame where it exits from the louver assembly between the sill frame and bottom blade. Drainable louvers generally outperform conventional architectural blade louvers and provide enhanced resistance to water penetration.

We make WRL drainable blade louver is available with channel type frame to suit most architectural and mechanical installation requirements.

GALVANIZED CONSTRUCTION

FRAME 100 mm deep, 18gauge (1.2mm) galvanized steel construction.

BLADES Drainable style 20 gauge (1.0mm) galvanized steel construction.

BLADE ANGLE Fixed at 38 degrees.

BLADE SPACING 89 mm on centers approximately.

SCREEN 20gauge (1.0mm) galvanized constructed bird screen.

MINIMUM SIZE 300 mm wide X 300 mm high.

MAXIMUM SIZE 2000 mm wide X 2000 mm high.

ALUMINIUM CONSTRUCTION

FRAME 100 mm deep, Extruded aluminum construction.

BLADES Extruded aluminum construction.

BLADE ANGLE Fixed at 38 degrees.

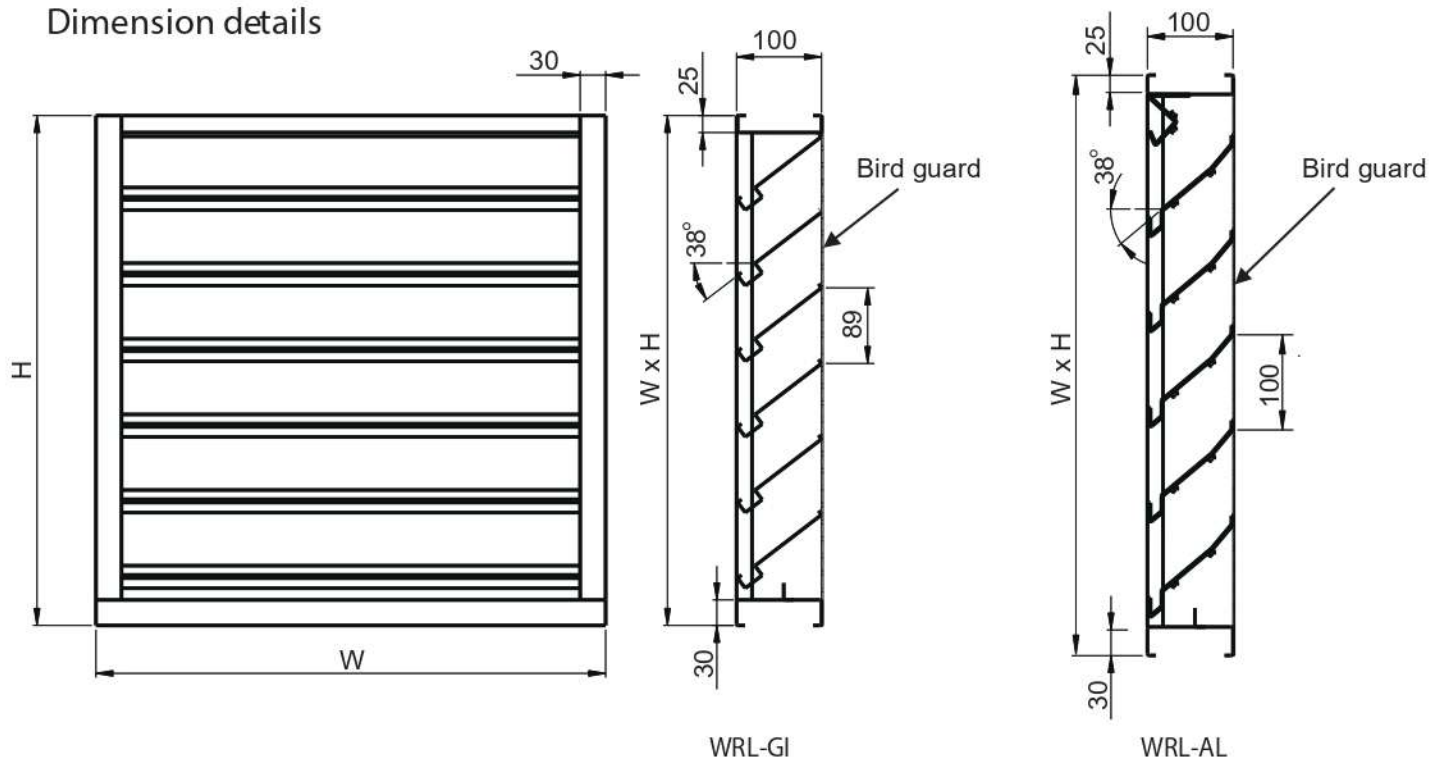
BLADE SPACING 100 mm on centers approximately.

SCREEN Aluminum constructed bird screen.

MINIMUM SIZE 300 mm wide X 300 mm high.

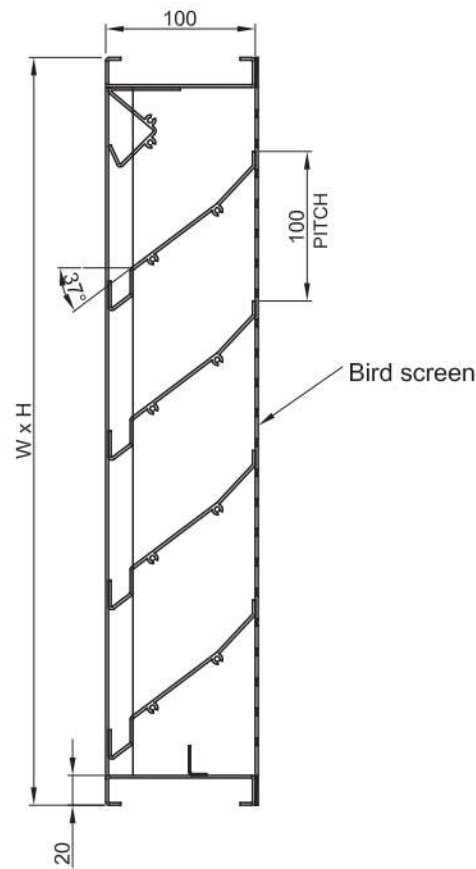
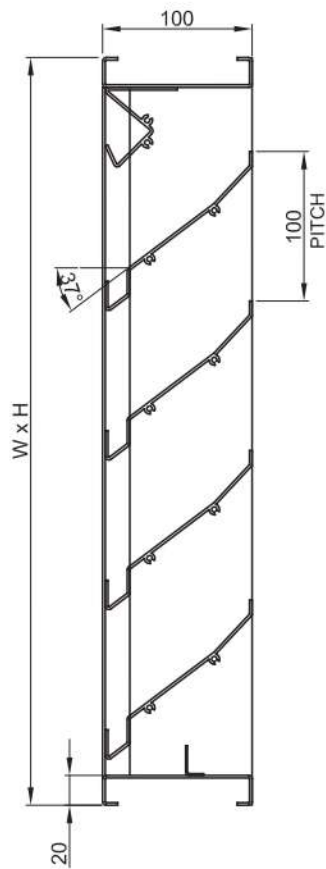
MAXIMUM SIZE 2000 mm wide X 2000 mm high.

Dimension details

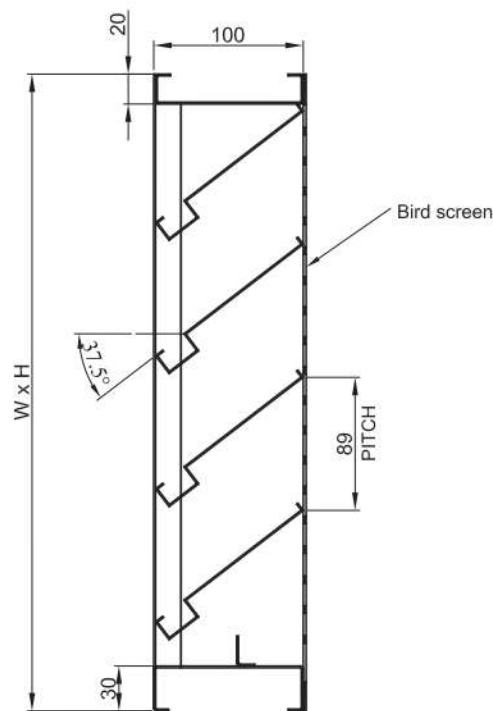
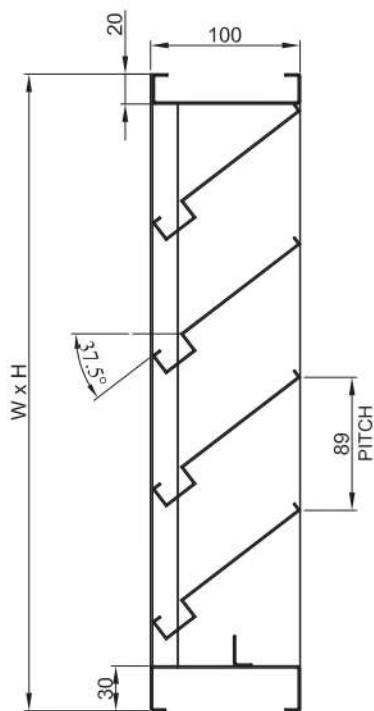


WEATHER RESISTANCE LOUVER

ALUMINIUM WEATHER RESISTANCE LOUVER



GALVANIZED WEATHER RESISTANCE LOUVER



Free area in square feet: **WRL-GI**

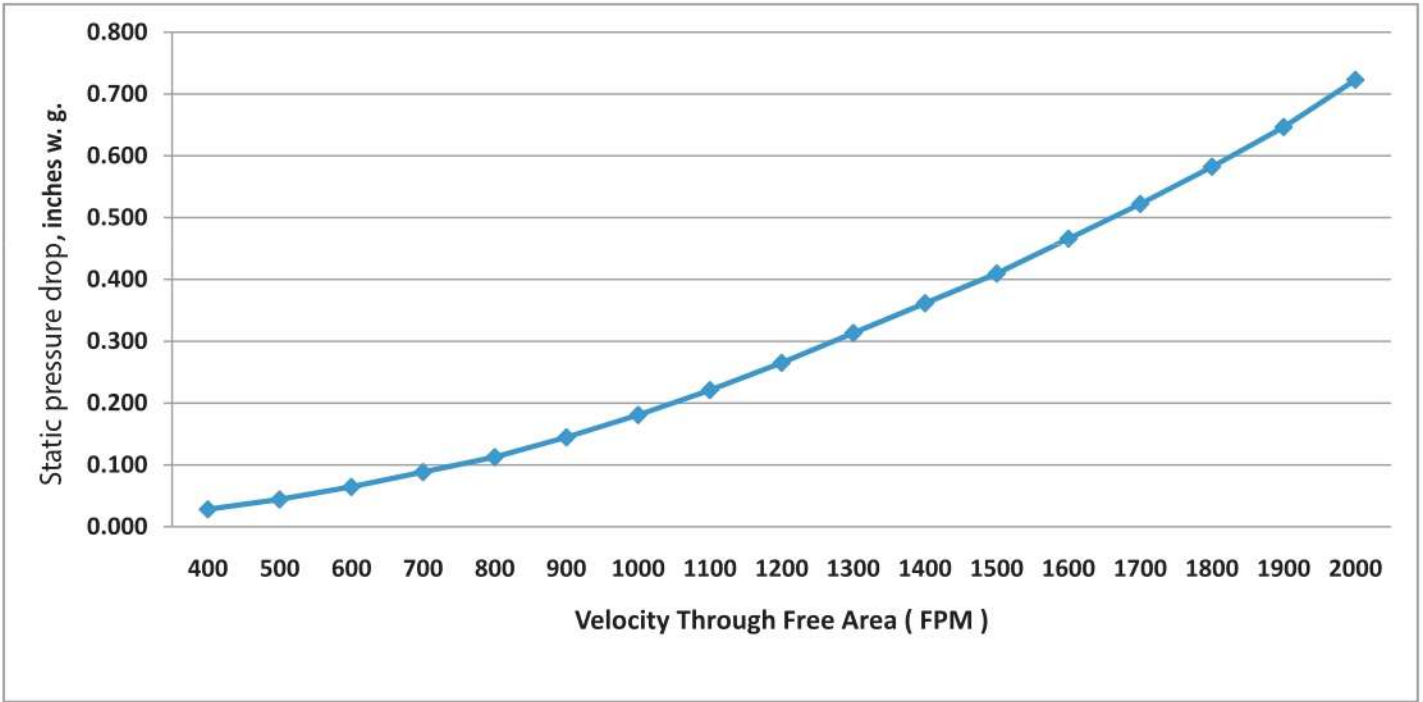
Height (mm)	Width (mm)												
	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1900	2000
300	0.31	0.48	0.66	0.83	1.01	1.19	1.36	1.54	1.71	1.89	2.07	2.24	2.42
450	0.58	0.91	1.24	1.57	1.90	2.23	2.56	2.89	3.22	3.55	3.88	4.22	4.56
600	0.89	1.39	1.90	2.41	2.91	3.42	3.93	4.43	4.94	5.45	5.95	6.46	6.97
750	1.16	1.82	2.48	3.14	3.80	4.46	5.13	5.79	6.45	7.12	7.78	8.46	9.13
900	1.43	2.24	3.06	3.88	4.69	5.51	6.32	7.14	7.96	8.77	9.59	10.40	11.22
1050	1.74	2.73	3.72	4.71	5.71	6.70	7.69	8.68	9.68	10.67	11.67	12.66	13.66
1200	2.01	3.15	4.30	5.45	6.60	7.74	8.55	10.04	11.19	12.35	13.50	14.66	15.81
1350	2.32	3.64	4.96	6.29	7.61	8.93	10.26	11.58	12.91	14.23	15.55	16.88	18.20
1500	2.59	4.07	5.54	7.02	8.50	9.98	11.46	12.94	14.41	15.89	17.37	18.85	20.33
1650	2.86	4.49	6.12	7.76	9.39	11.02	12.66	14.29	15.92	17.55	19.19	20.82	22.45
1800	3.17	4.98	6.79	8.59	10.40	12.21	14.02	15.83	17.64	19.45	21.27	23.08	24.89
1950	3.44	5.40	7.37	9.33	11.29	13.26	15.22	17.19	19.15	21.09	23.04	24.98	26.95
2000	3.55	5.52	7.75	9.68	11.62	13.67	15.81	17.81	20.66	22.60	24.56	26.50	28.45

Free area in square feet: **WRL-AL**

Height (mm)	Width (mm)												
	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1900	2000
300	0.31	0.50	0.68	0.87	1.06	1.24	1.43	1.62	1.80	1.99	2.18	2.36	2.55
450	0.54	0.87	1.20	1.52	1.85	2.18	2.50	2.83	3.16	3.48	3.81	4.14	4.47
600	0.78	1.24	1.71	2.18	2.64	3.11	3.58	4.04	4.51	4.98	5.44	5.91	6.38
750	1.06	1.69	2.33	2.97	3.60	4.24	4.87	5.51	6.14	6.78	7.41	8.05	8.69
900	1.29	2.07	2.84	3.62	4.39	5.17	5.95	6.72	7.50	8.27	9.05	9.82	10.60
1050	1.57	2.52	3.46	4.41	5.35	6.30	7.24	8.18	9.13	10.07	11.02	11.96	12.91
1200	1.81	2.89	3.98	5.06	6.14	7.23	8.26	9.40	10.48	11.57	12.65	13.74	14.82
1350	2.04	3.27	4.49	5.71	6.94	8.16	9.39	10.61	11.84	13.06	14.28	15.51	16.73
1500	2.32	3.72	5.11	6.50	7.89	9.29	10.68	12.07	13.47	14.86	16.25	17.65	19.04
1650	2.56	4.09	5.62	7.15	8.69	10.22	11.75	13.29	14.82	16.35	17.89	19.42	20.95
1800	2.84	4.54	6.24	7.94	9.64	11.35	13.05	14.75	16.45	18.15	19.86	21.56	23.26
1900	3.03	4.85	6.70	8.54	10.35	12.24	14.04	15.85	17.69	19.51	21.34	23.16	25.01
2000	3.21	5.16	7.15	9.13	11.05	13.12	15.02	16.95	18.92	20.86	22.82	24.76	26.75

PERFORMANCE DATA

Pressure Drop Data: [WRL-GI](#)



Pressure Drop Data: [WRL-AL](#)

