

OHL-SD

SLIMLINE DRAINABLE LOUVER

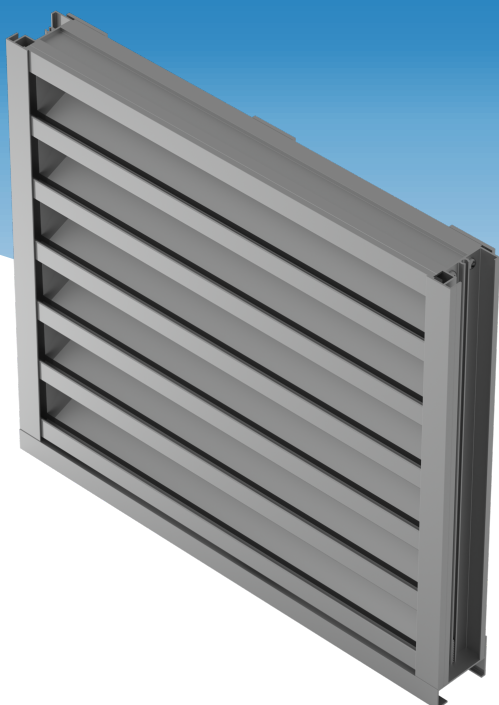
MODEL OHL-SD

FEATURES

- Slimline Drainable Weather Louver
- Water Penetration Performance
- Drainable Blade Profile
- Downspouts to Channel Water Away
- Obstructed Line of Sight
- Reduces Cascade Effect

OPTIONS

- The OHL-SD is available in two surrounds:
 - Channel frame as standard
 - 25mm flange cover option
- Aluminium or stainless steel bird mesh
- Finish:
 - Duralloy Powder Coat finish
 - Natural anodised 25µm finish
 - Warranty powder coatings available (on request)
- Available in Louver Door
- Insect screens (on request)
- Blank-off panels (on request)
- Head and/or sill flashing (on request)
- Security bars (on request)
- Filter racks (on request)



The OHL-SD is a slimline drainable louver designed from proven Holyoake louver technology, featuring improved weather performance within a small profile frame.

The OHL-SD is designed to prevent water penetration in non wind driven applications by collecting water in frame and blade gutters and channeling it into downspouts and away from airflow paths.

TYPICAL APPLICATIONS

The OHL-SD louver can be installed as part of the Mechanical Services System, typically used in intake applications. This louver is suited for applications where water ingress and wall depth are considerations.

CONSTRUCTION

The OHL-SD louver is constructed from 6063-T5 extruded aluminium, mechanically locked together ensuring a reliable and resilient louver. Various mesh options are available for fitting to the rear of the louver.

Surround: 53mm deep

Blades: 45° x 1.5mm thick

Mesh: - Expanded Aluminium Bird Screen as standard
- Stainless Steel 10 x 10 x 0.9mm (on request)

Mullion: Visible rear mullion on units above 500mm wide

Free Area: 1220mm x 1220mm unit - (0.69m²) 46.1%

Minimum

Nominal Size: 100mm (wide) x 120mm (high)

Maximum

Nominal Size: 3000mm (wide) x 1500mm (high) or
(single section) 1500mm (wide) x 3000mm (high)

5 YEAR WARRANTY

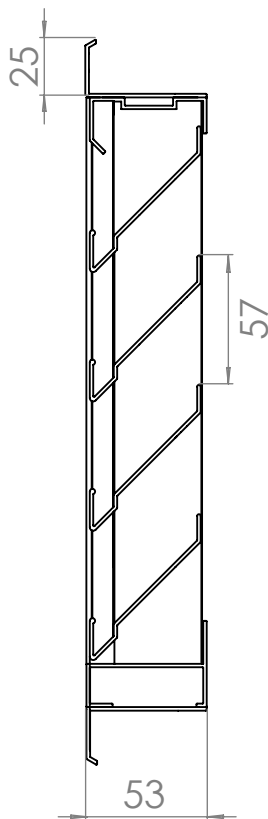
ALL DIMENSIONS IN MM
INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION
PRICE HOLYOAKE OHL-SD JUNE 2024

PERFORMANCE DATA - FREE AREA (m²)

		Width (mm)											
Height (mm)		300	450	600	700	800	900	1000	1100	1200	1300	1400	1500
	300	0.03	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.17
	450	0.05	0.08	0.11	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28
	600	0.07	0.11	0.15	0.17	0.20	0.23	0.25	0.28	0.31	0.33	0.36	0.39
	700	0.08	0.13	0.18	0.21	0.24	0.27	0.30	0.33	0.36	0.40	0.43	0.46
	800	0.09	0.15	0.20	0.24	0.28	0.31	0.35	0.39	0.42	0.46	0.50	0.53
	900	0.11	0.17	0.23	0.27	0.32	0.36	0.40	0.44	0.48	0.52	0.56	0.61
	1000	0.12	0.19	0.26	0.31	0.35	0.40	0.45	0.49	0.54	0.59	0.63	0.68
	1100	0.13	0.21	0.29	0.34	0.39	0.44	0.49	0.55	0.60	0.65	0.70	0.75
	1200	0.15	0.23	0.32	0.37	0.43	0.49	0.54	0.60	0.66	0.71	0.77	0.83
	1300	0.16	0.25	0.35	0.41	0.47	0.53	0.59	0.65	0.71	0.78	0.84	0.90
	1400	0.17	0.27	0.37	0.44	0.51	0.57	0.64	0.71	0.77	0.84	0.91	0.97
	1500	0.19	0.29	0.40	0.47	0.55	0.62	0.69	0.76	0.83	0.90	0.97	1.05

PRODUCT INFORMATION - DIMENSIONS

Note: 25mm Flange option shown

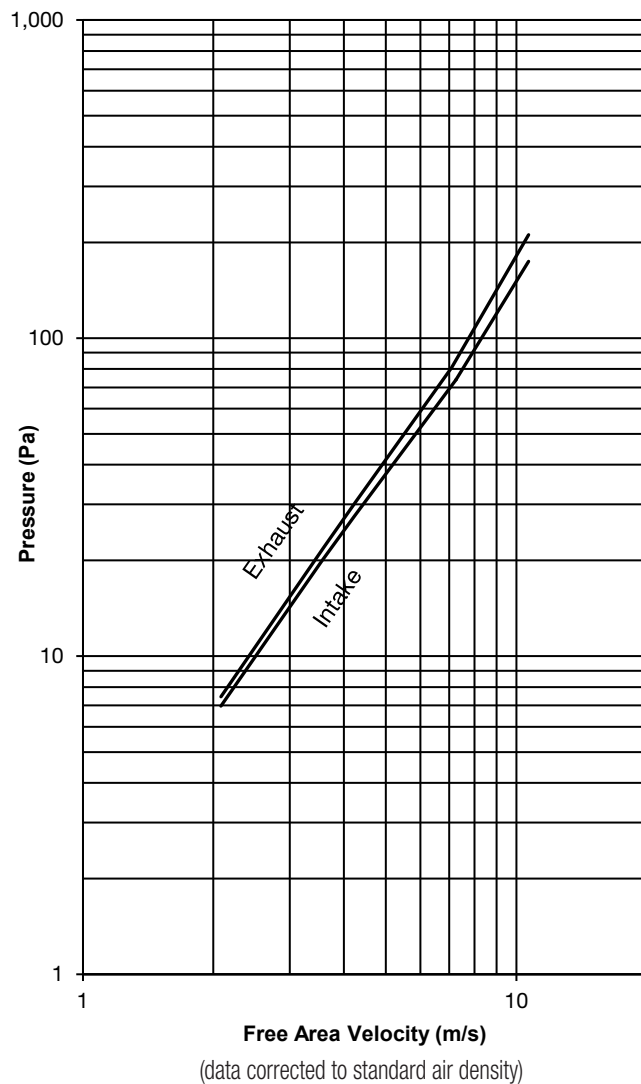


OHL-SD PRODUCT GUIDE WEIGHTS (KG)

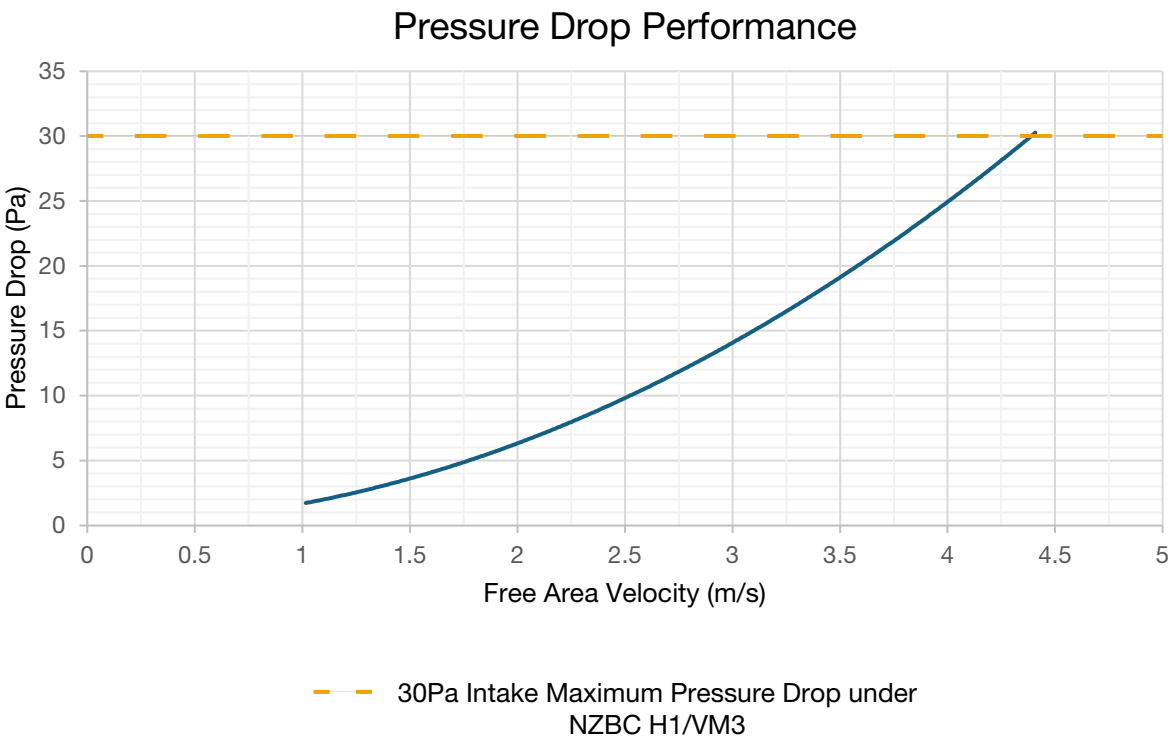
Channel Surround		Flanged Surround	
600 x 600	4.9kg	600 x 600	5.7kg
900 x 900	10.0kg	900 x 900	11.3kg
1200 x 1200	17.3kg	1200 x 1200	19.0kg

PERFORMANCE DATA - PRESSURE LOSS

Pressure loss testing has been completed on a 1220 mm x 1220 mm louver in accordance with Figure 5.5 of AMCA Standard 500-L.



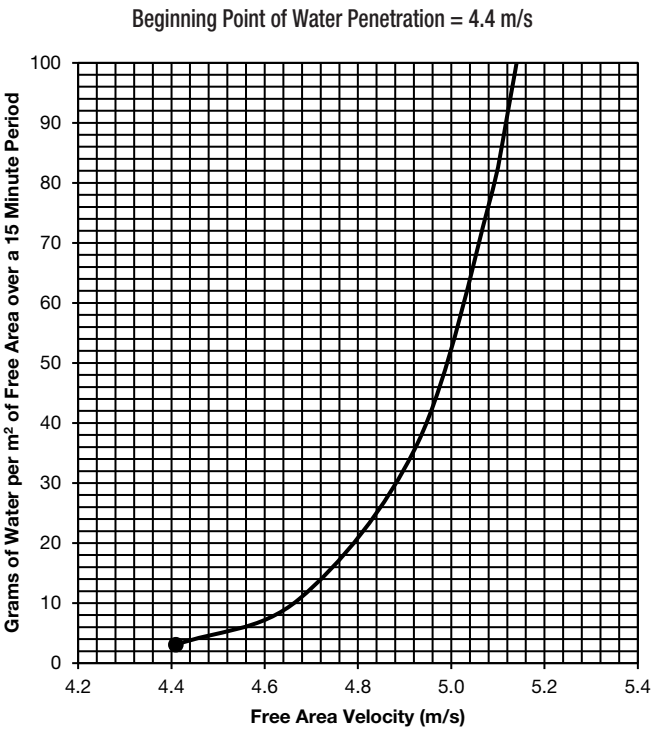
PERFORMANCE DATA - H1 INTAKE LOUVER PRESSURE LOSS COMPLIANCE



The free area of a louver is the total minimum area between the louver blades that air can pass through.

PERFORMANCE DATA - WATER PENETRATION

AMCA defines the beginning point of water penetration as the free area velocity at the intersection of a simple linear regression of test data and the line of 3 grams of water per square metre of free area measured through a 1220 mm x 1220 mm louver during a 15 minute period. The AMCA water penetration test provides a method for comparing louver models and designs as to their efficiency in resisting the penetration of rainfall under specific lab conditions. We recommend that intake louvers are selected with a reasonable margin of safety below the beginning point of water penetration in order to avoid unwanted penetration during severe storm conditions.



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