CR Vent Louver

ASLI CR series is a type of louver designed for ease of installation on any exhaust dust.

Materials

CR-A 1.0mm Aluminium sheet roll formed.

Surface Finish

Natural anodized

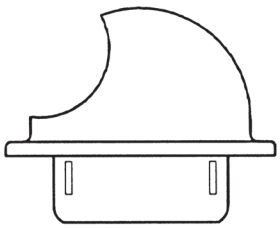
Standard Sizes

100Ø (4")
125Ø (5")
150Ø (6")
200Ø (8")

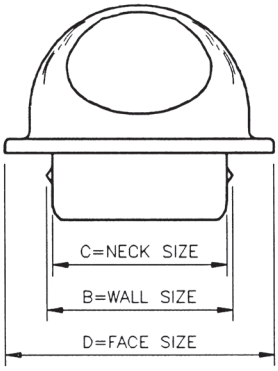
Features

- CR vent louvers incorporated with louver blade and stainless steel insect netting.
- Designed for ease of installation on any exhaust duct. There are four pieces of inverted spring hooks attached at the colar. Spring hook will secure the vent louver onto the duct or wall.
- Common application for fresh air intake, exhaust outlets and ventilation for interior and exterior locations. Widely used in homes, condominiums, apartments, warehouses, gymnasiums, etc.

CR Physical Dimension *Unit : mm*



Top View



Front View

Size	C	B	Free Area (m²)
100	97	C + 10	0.0037
125	122		0.0046
150	147		0.0074
200	197		0.0130

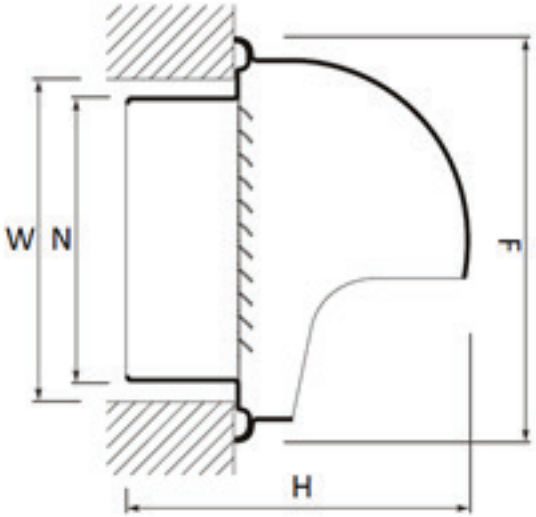
CR Performance Data

	Face Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.25
Intake	Static Pressure (mmAq)	0.36	0.64	1.02	1.52	2.03	2.67	3.68	4.45	6.86
Exhaust	Static Pressure (mmAq)	0.30	0.53	0.84	1.14	1.57	2.16	2.92	3.43	5.72

1. Derive the minimum free area from air flow rate with recommended maximum free area velocity of 3.8m/s. Given 150 CMH, minimum free area = (150/3600)/3.8 = 0.011 m²
2. From the dimension table, find the corresponding minimum louver size. Size 200 has free area of 0.013m².
3. Check the static pressure drop from the table above. Face velocity of 3.8m/s has about 2.5 mmAq static pressure drop for air intake application.

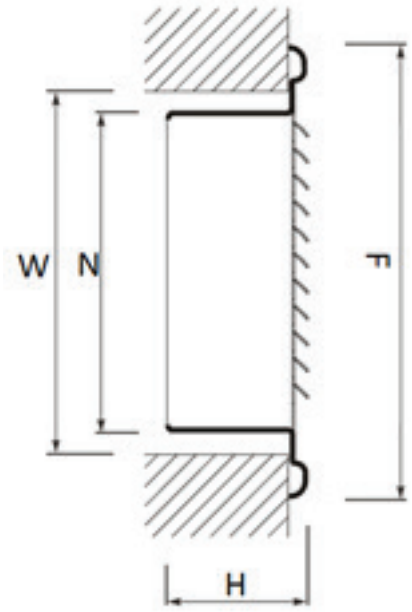
CR Vent Louver

CR-1A-1XX Physical Dimension *Unit : mm*



Model	N	H	F	W
CR-1A-100	97	127	149	107
CR-1A-125	122	145	175	132
CR-1A-150	145	172	208	155
CR-1A-200	197	163	220	205

CR-2A-1XX Physical Dimension *Unit : mm*



Model	N	H	F	W
CR-2A-100	97	49	145	107
CR-2A-125	122	53	207	132
CR-2A-150	147	53	207	157
CR-2A-200	187	57	217	197

CR Order Code

Model	Size
CR-1A	125

Example : CR-1A-125