

CR Vent Louver

Materials

- CR-A 1.0mm Aluminium sheet roll formed.

Features

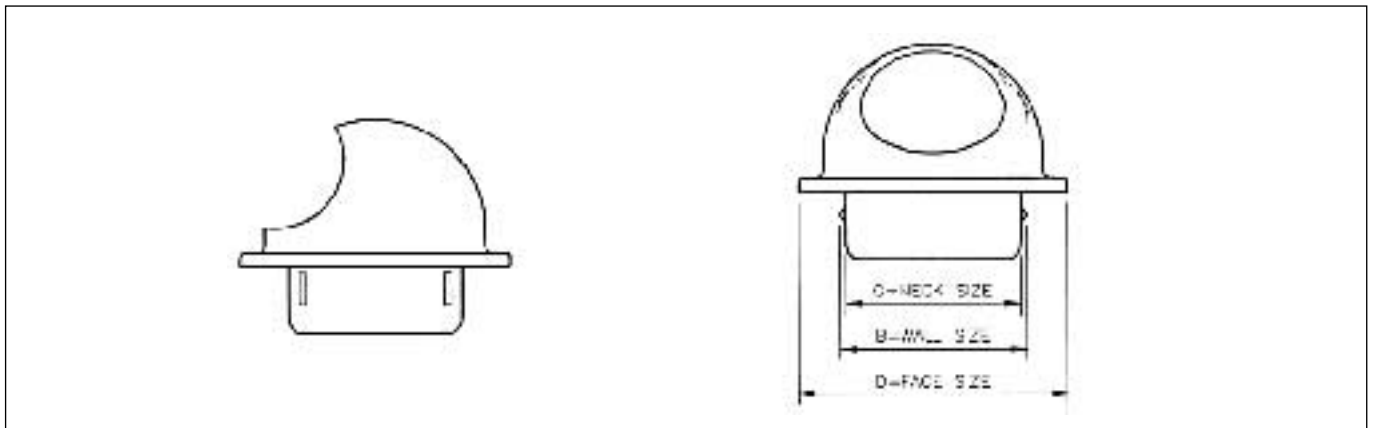
- Natural anodized.
- CR vent louvers incorporated with louver blade and stainless steel insect netting.
- ASLI vent louvers are designed for ease of installation on any exhaust duct. There are four pieces of inverted spring hooks attached at the collar. Spring hook will secure the vent louver onto the 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.

Standard Sizes

- 3100ø(4"), 125ø(5"), 150ø(6")



CR Construction Illustrations



CR Physical Dimension Unit:mm

Size	C	B	D	Free Area (m ²)
100	97	C + 5	C + 55	0.0037
125	122			0.0046
150	147			0.0074
200	197			0.0130

RC Performance Data

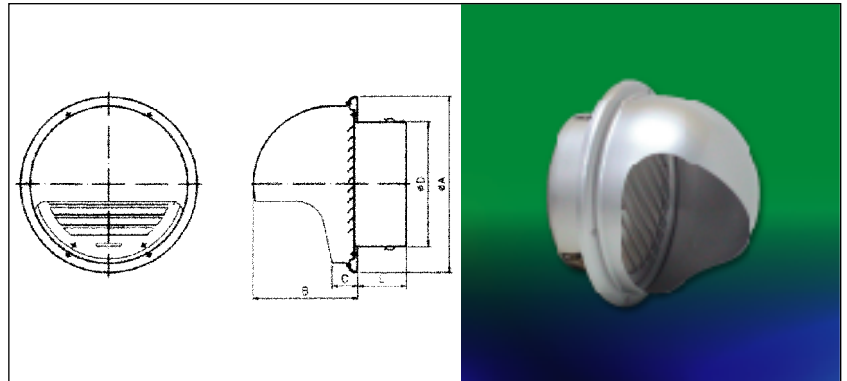
	Face Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.25
Intake	Static Pressure (mmAq)	0.36	0.64	1.02	1.52	2.03	2.67	3.68	4.45	6.86
Exhaust	Static Pressure (mmAq)	0.30	0.53	0.84	1.14	1.57	2.16	2.92	3.43	5.72

- 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
- From the dimension table, find the corresponding minimum louver size. Size 200 has free area of 0.013m².
- 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.

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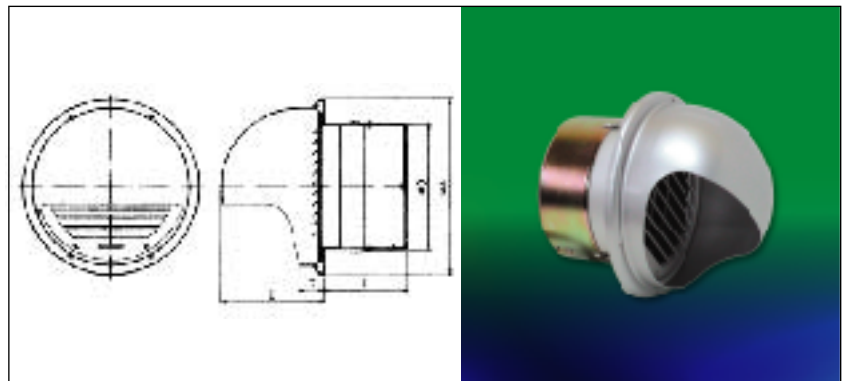
■ CR-1A-125 Physical Dimension Unit:mm

Type	A	B	C	D	L
CR-1A-100	148	93	24	97	40
CR-1A-125	173	104	28	122	41
CR-1A-150	208	122	30	147	58



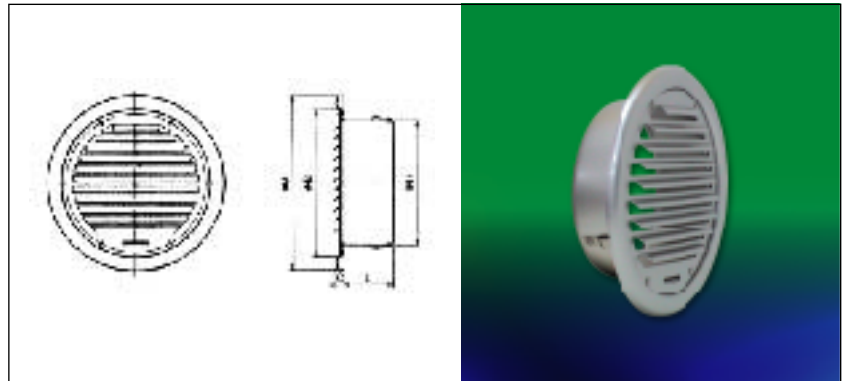
■ CR-1A-125-FD Physical Dimension Unit:mm

Type	A	B	C	D	L
CR-1A-100-FD	148	93	24	98	76
CR-1A-125-FD	173	104	28	123	78
CR-1A-150-FD	208	122	30	148	97



■ CR-2A-125 Physical Dimension Unit:mm

Type	A	B	C	D	L
CR-2A-100	148	93	24	97	40
CR-2A-125	173	104	28	122	41
CR-2A-150	208	122	30	147	58



■ CR-2A-125-FD Physical Dimension Unit:mm

Type	A	B	C	D	L
CR-2A-100-FD	148	93	24	98	76
CR-2A-125-FD	173	104	28	123	78
CR-2A-150-FD	208	122	30	148	97

