

## RV Single Deflection Return Fresh Air Grille

### Materials

- RV-T Frame 1.0mm, blade 0.35mm SPGC galvanized steel.
- RV-S Frame 0.7mm, blade 0.3mm stainless steel SUS. 304.
- RV-A Extruded aluminium A6063.

### Surface Finish

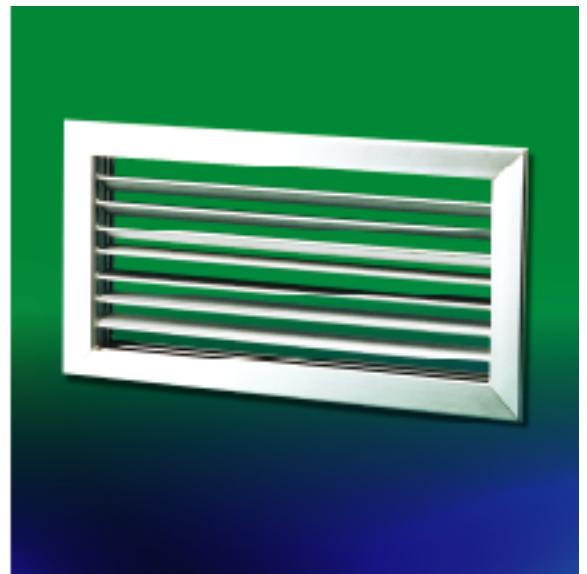
- RV-T Baked white powder coat as standard.
- RV-S Stainless steel original colour.
- RV-A Baked white powder coat or natural anodized.

### Features

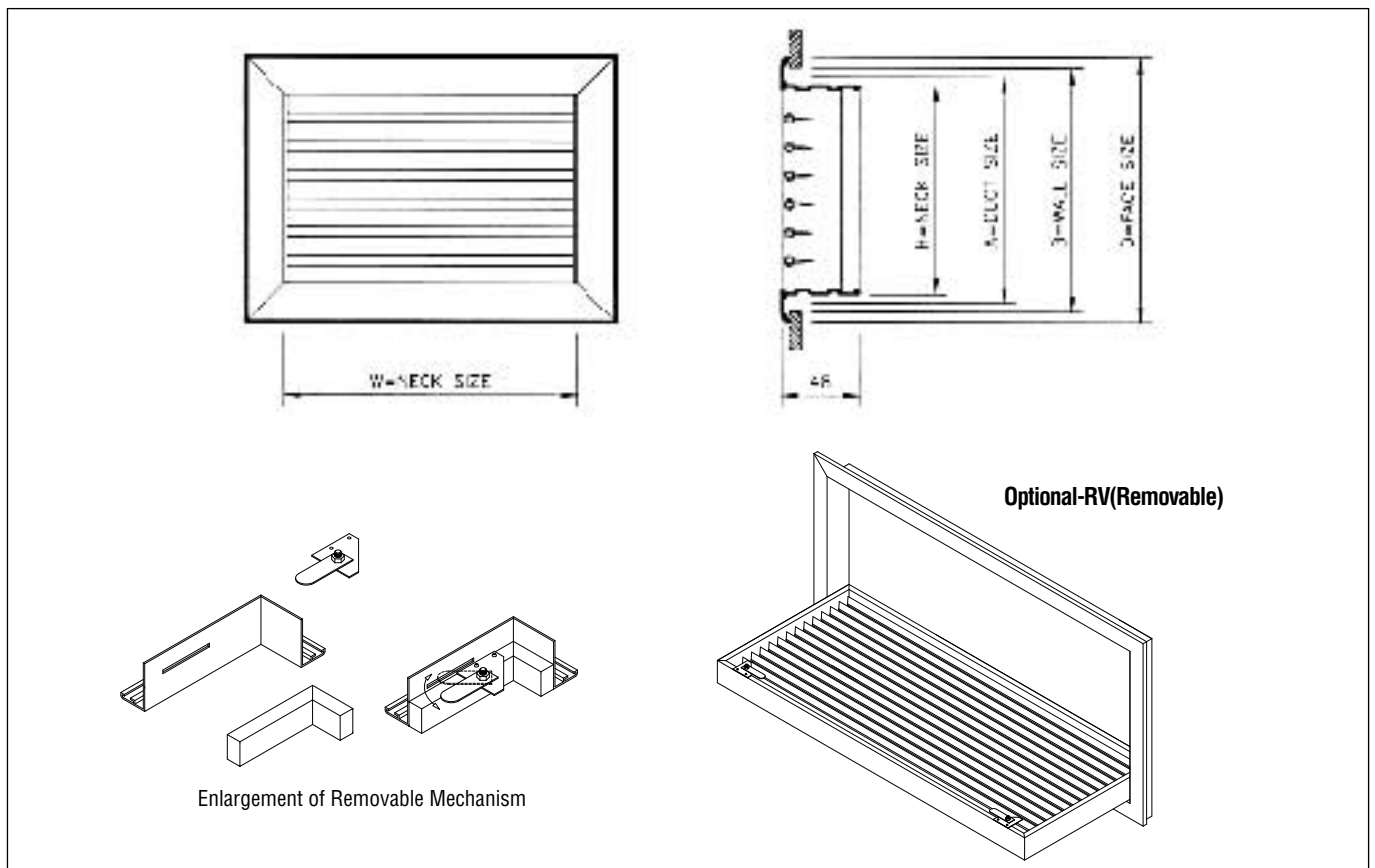
- Model RV-A is made up of one set of individually adjustable horizontal air foil blades.
- Model RV-A can also be used as supply air grille. It is in the same series as model GV.
- The grille will come in more sections for blade length that is more than 500mm.
- Approximately 83% free area when blades are fully open.

### Accessories

- G1 Opposed blade damper.
- R6 Insect nettings.
- D2 Square to round adapter.



### RV Construction Illustrations



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### RV Physical Dimension Unit:mm

Model	Materials	Thickness		A Duct Size	B Wall Size	D Face Size	Order Key
		Frame	Blade				
RV-T	SPGC Steel	0.7	3.4	W+10 H+10	W+20 H+20	W+60 H+60	RV - T + 350 X 150 - G1                                          Model    Materials    W            H            Accessories
RV-S	Stainless Steel SUS. 304	0.7	0.3			W+54 H+54	
RV-A	Extruded Aluminium A6063	1.0	3.8				

### RV Performance Data

Neck Area m <sup>2</sup>	Neck Size mm		Neck Vel. M/S	2	2.5	3	3.5	4	5	6
			Vel. Press(mmAq)	0.25	0.4	0.55	0.75	1.0	1.55	2.2
			Neg. SP(mmAq)	2.8	1.2	1.7	2.2	3.0	4.6	6.7
0.025	250 x 100	CMH	180	225	270	315	360	450	540	
	200 x 125	NC	-	-	11	17	23	30	39	
0.03	300 x 100	CMH	216	270	324	378	432	540	648	
	200 x 150	NC	-	-	12	19	25	31	41	
0.04	400 x 100	CMH	252	315	378	441	504	630	756	
	250 x 150	NC	-	-	14	21	26	34	43	
0.045	350 x 125	CMH	288	360	432	504	576	720	864	
	300 x 150	NC	-	-	16	23	28	36	45	
0.05	350 x 150	CMH	360	450	540	630	720	900	1080	
	250 x 200	NC	-	-	16	23	28	36	45	
0.06	600 x 100	CMH	432	540	648	756	864	1080	1296	
	400 x 150	NC	-	11	18	25	30	37	46	
0.075	600 x 125 350 x 200	CMH	540	675	810	945	1080	1350	1620	
	500 x 150 300 x 250	NC	-	11	18	25	30	37	46	
0.09	700 x 125 400 x 200	CMH	648	810	972	1134	1296	1620	1944	
	550 x 150 350 x 250	NC	-	13	21	26	32	39	47	
0.1	750 x 125 450 x 200	CMH	720	900	1080	1260	1440	1800	2160	
	660 x 150 400 x 250	NC	-	14	21	28	33	40	48	
0.12	900 x 125 450 x 250	CMH	864	1080	1296	1512	1728	2160	2592	
	750 x 150 350 x 300	NC	-	15	23	29	34	42	49	
0.128	850 x 150 500 x 250	CMH	922	1152	1382	1612	1843	2304	2765	
	600 x 200 400 x 300	NC	-	16	23	29	34	42	49	
0.135	1200 x 125 450 x 300	CMH	972	1215	1458	1700	1944	2430	2916	
	900 x 150 400 x 350	NC	-	16	23	29	34	42	50	
0.18	900 x 200 600 x 300	CMH	1296	1620	1944	2268	2592	3240	3888	
	750 x 250 450 x 400	NC	-	17	24	30	35	43	51	
0.27	750 x 350 600 x 450	CMH	1944	2430	2915	3402	3888	4860	5832	
	660 x 400 550 x 500	NC	-	17	25	32	37	45	53	
0.36	1200 x 300 750 x 450	CMH	2592	3240	3888	4536	5184	6480	7776	
	900 x 400 600 x 600	NC	12	19	26	33	39	47	55	

- NC value is based on a room absorption of 10 dB, re 10<sup>-12</sup> watts.
- Dash (-) in space indicates NC value less than 10.