

RF Perforated Face Return Air Diffuser

Materials

- RF-T 0.5mm Perforated SPGC galvanized steel frame.
- RF-S 0.5mm Perforated stainless steel SUS. 304 frame.
- RF-A 0.5mm Perforated aluminium sheet frame.

Surface Finish

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

Features

- Suitable for the free return air application.
- Most suitable for T-bar ceiling installation.
- The model RF can just sit on the T-bar without any support.
- Approximately 43% free area.

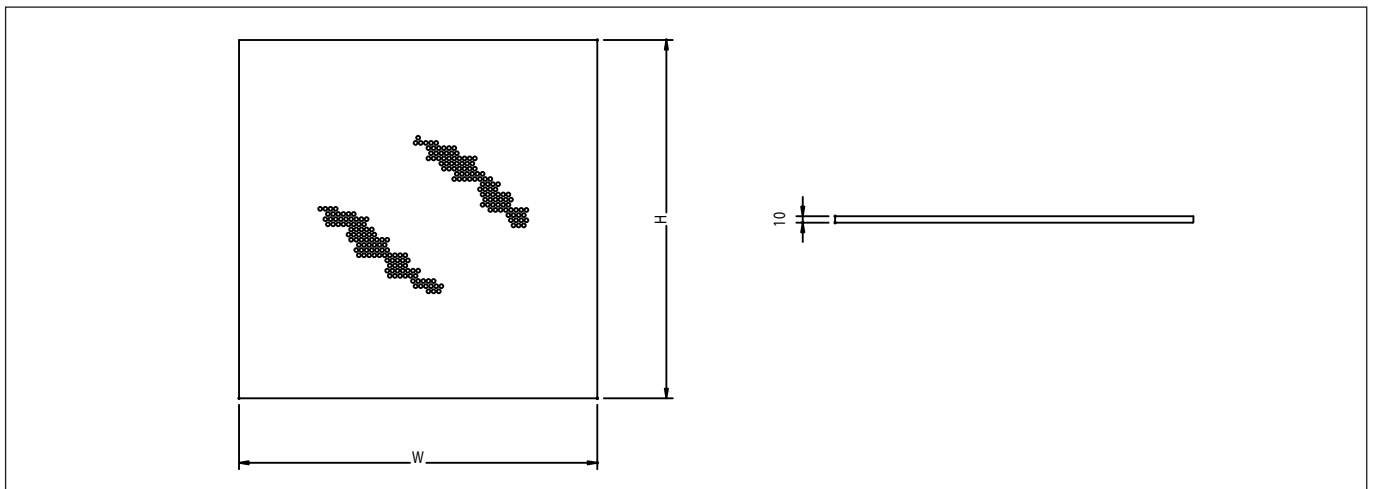
Accessories

- B-A Aluminium Ceiling Frame.

Standard Sizes

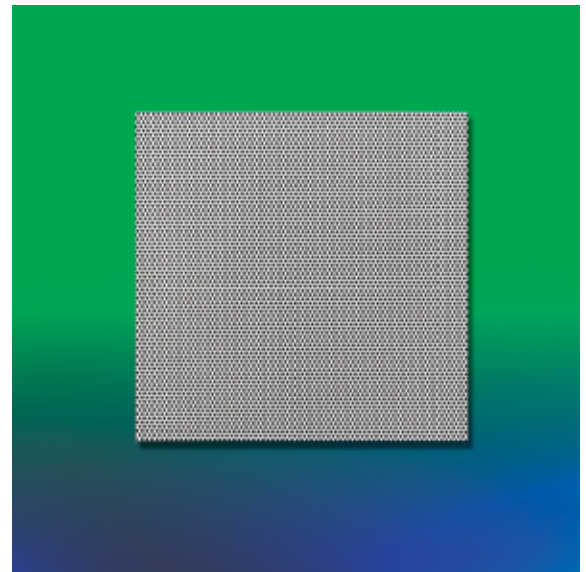
- 300 x 600(1' x 2'), 600 x 600(2' x 2')

RF Construction Illustrations



RF Physical Dimension Unit:mm

Model	Thickness		Standard Size (to suit T-bar)	Order Key
	Frame	Blade		
RF-T	Galvanized Steel	SPGC Steel 0.5 mm	300 x 600 (1' x 2') 600 x 600 (2' x 2')	RF - A - G1 Model Materials Accessories
RF-A	Aluminium A6063	SPGC Steel 0.5 mm		
RF-S	Aluminium A6063	Stainless Steel SUS. 304 0.5mm		



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RF Performance Data

Neck Area m ²	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)	1.6	2.4	3.3	4.5	5.8	9.0	12.8
0.025	250 x 100		CMH	180	225	270	315	360	450	540
	200 x 125		NC	29	32	34	35	37	39	40
0.03	300 x 100		CMH	216	270	324	378	432	540	648
	200 x 150		NC	29	32	34	35	37	39	40
0.04	400 x 100		CMH	288	360	432	504	576	720	864
	250 x 150		NC	29	32	34	35	36	39	40
0.045	350 x 125		CMH	324	405	486	567	648	810	972
	300 x 150		NC	29	31	33	35	36	38	40
0.05	350 x 150		CMH	360	450	540	630	720	900	1080
	250 x 200		NC	28	31	32	34	35	37	39
0.06	600 x 100		CMH	432	540	648	7756	864	1080	1296
	400 x 150		NC	28	30	32	34	35	37	39
0.075	600 x 125	350 x 200	CMH	540	675	810	945	1080	1350	1620
	500 x 150	300 x 250	NC	27	30	31	33	34	36	38
0.09	700 x 125	400 x 200	CMH	648	810	972	1134	1296	1620	1944
	550 x 150	350 x 250	NC	27	29	31	33	34	36	38
0.1	750 x 125	450 x 200	CMH	720	900	1080	1260	1440	1800	2160
	660 x 150	400 x 250	NC	27	29	31	33	33	36	37
0.12	900 x 125	450 x 250	CMH	864	1080	1296	1512	1728	2160	2592
	750 x 150	350 x 300	NC	26	29	30	32	33	36	37
0.128	850 x 150	500 x 250	CMH	922	1152	1382	1612	1843	2304	2765
	600 x 200	400 x 300	NC	26	29	30	31	33	35	37
0.135	1200 x 125	450 x 300	CMH	972	1215	1458	1700	1944	2430	2916
	900 x 150	400 x 350	NC	26	28	29	31	32	34	36
0.18	900 x 200	600 x 300	CMH	1296	1620	1944	2268	2592	3240	3888
	750 x 250	450 x 400	NC	25	27	29	30	32	34	36
0.27	750 x 350	600 x 450	CMH	1944	2430	2915	3402	3888	4860	5832
	660 x 400	550 x 500	NC	24	26	28	29	31	33	35
0.36	1200 x 300	750 x 450	CMH	2592	3240	3888	4536	5184	5480	7773
	900 x 400	600 x 600	NC	23	25	27	28	30	32	34

• NC value is based on a room absorption of 10 dB, re 10⁻¹² watts.