

Return Air Square Ceiling Diffuser - Two Way

1.6 Air Flow Data

Neck Size in mm x mm	Neck Velocity fpm	200	250	300	350	400	500	600	700	800
150 x 150	L/s	23	29	35	40	46	58	69	81	92
	M ³ /sec.	0.023	0.029	0.035	0.040	0.046	0.058	0.069	0.081	0.092
	P _s (Pa)	6.37	10.20	14.61	20.01	25.60	40.89	58.84	81.79	105.62
	NC	<15	<15	<15	<15	17	23	30	33	39
225 x 225	L/s	51	64	77	89	102	128	153	179	204
	M ³ /sec.	0.051	0.064	0.077	0.089	0.102	0.128	0.153	0.179	0.204
	P _s (Pa)	6.86	11.18	16.57	21.77	29.22	45.31	65.41	92.38	118.86
	NC	<15	<15	<15	15	21	28	34	40	45
300 x 300	L/s	91	113	135	158	180	225	270	315	360
	M ³ /sec.	0.091	0.113	0.135	0.158	0.180	0.225	0.270	0.315	0.360
	P _s (Pa)	7.85	12.36	17.95	24.32	32.17	50.50	73.26	100.32	132.00
	NC	<15	<15	16	20	23	32	36	41	47
375 x 375	L/s	141	176	212	246	282	353	423	494	563
	M ³ /sec.	0.141	0.176	0.212	0.246	0.282	0.353	0.423	0.494	0.563
	P _s (Pa)	8.83	13.83	20.50	27.65	36.48	56.98	83.75	113.56	147.79
	NC	<15	<15	19	25	32	38	42	46	51
450 x 450	L/s	203	254	305	355	406	508	608	710	811
	M ³ /sec.	0.203	0.254	0.305	0.355	0.406	0.508	0.608	0.710	0.811
	P _s (Pa)	9.61	14.91	22.06	30.01	39.91	62.08	88.95	124.15	161.03
	NC	<15	17	24	29	36	39	45	46	52
525 x 525	L/s	276	344	414	48	551	689	827	965	1103
	M ³ /sec.	0.276	0.344	0.414	0.048	0.551	0.689	0.827	0.965	1.103
	P _s (Pa)	10.40	16.18	23.83	32.26	42.76	67.27	96.69	132.00	174.26
	NC	16	24	30	34	38	42	47	50	55
600 x 600	L/s	360	450	539	630	719	899	1079	1259	1439
	M ³ /sec.	0.360	0.450	0.539	0.630	0.719	0.899	1.079	1.259	1.439
	P _s (Pa)	11.38	17.75	25.69	35.50	46.09	72.47	104.64	145.24	190.15
	NC	21	30	34	40	40	45	48	52	57

- Neck Velocity is measured in fpm.
- P_s : Static pressure drop in Pascal.
- Noise Criteria (NC) based on room attenuation of 10 dB.