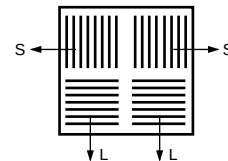


RZMCDST Throw
150 fpm Terminal Velocity

Neck Velocity		400	500	600	700	800	900	1000	1200	1400	1600
cfm		314	393	471	550	628	707	785	942	1100	1257
12"	1-direction	3.4	4.3	5.2	6.0	6.9	7.8	8.6	9.5	10.3	11.2
	2-direction	2.1	2.6	3.1	3.6	4.1	4.7	5.2	5.7	6.2	6.7
	3-direction Short	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.7	7.3	7.9
	3-direction Long	2.1	2.6	3.1	3.6	4.1	4.7	5.2	5.7	6.2	6.7
	4-direction	1.7	2.1	2.5	2.9	3.3	3.8	4.2	4.6	5.0	5.4

Neck Velocity		400	500	600	700	800	900	1000	1200	1400	1600
cfm		428	535	641	748	855	962	1069	1283	1497	1710
14"	1-direction	5.3	6.6	7.9	9.3	10.6	11.9	13.2	14.5	15.9	17.2
	2-direction	3.0	3.8	4.6	5.3	6.1	6.8	7.6	8.3	9.1	9.9
	3-direction Short	2.3	2.9	3.5	4.1	4.6	5.2	5.8	6.4	6.9	7.5
	3-direction Long	2.6	3.2	3.9	4.5	5.1	5.8	6.4	7.1	7.7	8.4
	4-direction	2.2	2.7	3.2	3.8	4.3	4.9	5.4	5.9	6.5	7.0

Neck Velocity		400	500	600	700	800	900	1000	1200	1400	1600
cfm		559	698	838	977	1117	1257	1396	1676	1955	2234
16"	1-direction	14.9	18.6	22.3	26.0	29.7	33.5	37.2	40.9	44.6	48.3
	2-direction	7.0	8.7	10.4	12.2	13.9	15.6	17.4	19.1	20.9	22.6
	3-direction Short	5.2	6.5	7.8	9.1	10.4	11.7	13.0	14.3	15.6	16.9
	3-direction Long	6.7	8.4	10.0	11.7	13.4	15.1	16.7	18.4	20.1	21.8
	4-direction	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.6


16 Round Ceiling Diffuser (Page 25)

Face Velocity		300	400	500	600	700	800	900	1000
Pressure Loss		.006	.010	.016	.022	.031	.040	.050	.062
6"	cfm		55	65	80	95	105	120	135
Ak .135	Throw		2.5	3	3.5	4	4.5	5	5.5
8"	cfm	70	90	115	135	160	180	200	225
Ak .225	Throw	2	3	3.5	4.5	5	5.5	6.5	7
10"	cfm	105	140	175	210	240	275	310	345
Ak .345	Throw	2.5	3.5	4.5	5	6	7	8	8.5
12"	cfm	150	200	250	300	350	400	450	500
Ak .500	Throw	3	4	5	6	7.5	8.5	9	10.5
14"	cfm	190	250	315	375	440	500	565	625
Ak .625	Throw	3.5	4.5	5.5	6.5	8	9	10	11
18"	cfm	310	415	520	625	730	830	935	1040
Ak 1.04	Throw	4.5	6	7	8.5	10	11.5	13	14.5

Terminal Velocity of 50 fpm

24 Square Ceiling Diffuser (Page 27)

Face Velocity		300	400	500	600	700	800	900	1000
Pressure Loss		.006	.010	.016	.022	.031	.040	.050	.062
6"	cfm	50	65	85	100	115	130	150	165
Ak .165	Throw	3.5	4.5	5.5	6.5	8	9	10	11
8"	cfm	85	110	140	170	195	225	250	280
Ak .280	Throw	4.5	5.5	7	8.5	10	11	12	14
10"	cfm	125	170	210	250	295	335	380	420
Ak .420	Throw	5	6.5	8	9.5	11.5	13	15	16
12"	cfm	180	240	300	355	415	475	535	595
Ak .595	Throw	6	8	10	11.5	13.5	15.5	17.5	19
14"	cfm	245	330	410	490	575	655	740	820
Ak .820	Throw	7	9	11.5	13.5	16	18	20	22.5
16"	cfm	310	410	515	620	720	825	925	1030
Ak 1.03	Throw	7.5	10	12.5	15	18	20	22	25
18"	cfm	400	530	665	800	930	1065	1200	1330
Ak 1.33	Throw	8.5	11	14	17	20	23	26	28
20"	cfm	480	640	800	960	1120	1280	1440	1600
Ak 1.60	Throw	9.5	12	16	18	22	25	28	31
22"	cfm	570	760	950	1140	1330	1520	1710	1900
Ak 1.90	Throw	10.5	13.5	17	19	24	27	30	33
24"	cfm	690	920	1150	1380	1610	1840	2070	2300
Ak 2.30	Throw	11	14.5	18.5	22	26	30	33	36

Terminal Velocity of 50 fpm