

Victorian Cast and Plated Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x12 Ak .074	CFM	22	30	37	44	52	59	67	74
	Ps	.007	.021	.032	.046	.063	.082	.103	.128
	Throw	6	8	10	12	14	16.5	18.5	20.5
	Spread	-	-	-	-	-	-	-	-
4x10 Ak .108	CFM	32	43	54	65	76	87	97	108
	Ps	.006	.011	.016	.023	.032	.041	.052	.063
	Throw	7.5	10	12	14.5	17	19.5	22	24.5
	Spread	-	-	-	-	-	-	-	-
4x12 Ak .142	CFM	43	57	71	85	100	114	128	142
	Ps	.008	.010	.015	.022	.029	.038	.047	.059
	Throw	9.5	12.5	15.5	19	22	25	28	31.5
	Spread	-	-	-	-	-	-	-	-
4x14 Ak .175	CFM	53	70	88	105	123	140	158	175
	Ps	.005	.009	.014	.020	.028	.036	.046	.056
	Throw	11.5	15	19	23.5	27	30.5	34	38.5
	Spread	-	-	-	-	-	-	-	-

Victorian Wood Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x10 Ak .052	CFM	16	21	26	31	36	41	47	52
	Ps	.007	.013	.020	.028	.038	.049	.062	.075
	Throw	5	7	8.5	10.5	12	13.5	15.5	17
	Spread	-	-	-	-	-	-	-	-
2x12 Ak .064	CFM	19	26	32	39	45	52	58	64
	Ps	.007	.012	.019	.027	.037	.049	.061	.075
	Throw	6.25	8.5	10.25	12.5	14.5	16.5	18.75	20.75
	Spread	-	-	-	-	-	-	-	-
2x14 Ak .077	CFM	23	31	39	46	54	62	69	77
	Ps	.007	.012	.019	.027	.037	.048	.060	.074
	Throw	7.5	10	12	14.5	17	19.5	22	24.5
	Spread	-	-	-	-	-	-	-	-
4x10 Ak .113	CFM	34	45	57	68	79	90	102	113
	Ps	.007	.013	.019	.027	.036	.047	.059	.073
	Throw	8.5	11.5	14.5	17	20	23	25.5	28.5
	Spread	-	-	-	-	-	-	-	-

Victorian Wood Floor Diffuser (continued)

Face Velocity		300	400	500	600	700	800	900	1000
4x12	CFM	45	60	75	90	104	119	134	149
Ak .149	Ps	.007	.013	.019	.027	.036	.047	.059	.073
	Throw	10.25	13.75	17.25	20.75	24.25	27.75	31	34.5
	Spread	-	-	-	-	-	-	-	-
4x14	CFM	56	74	93	111	130	148	167	185
Ak .185	Ps	.007	.013	.019	.027	.036	.047	.059	.073
	Throw	12	16	20	24.5	28.5	32.5	36.5	40.5
	Spread	-	-	-	-	-	-	-	-

Victorian Metal and Wood Inlay Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x12	CFM	16	21	26	32	37	42	47	53
Ak .053	Ps	.007	.013	.020	.028	.038	.050	.063	.078
	Throw	3.5	5	6	7	8.5	9.5	11	12
	Spread	-	-	-	-	-	-	-	-
4x10	CFM	31	42	52	63	73	83	94	104
Ak .104	Ps	.006	.010	.015	.022	.030	.039	.049	.060
	Throw	6.5	8.5	10.5	13	15	17	19	21.5
	Spread	-	-	-	-	-	-	-	-
4x12	CFM	38	51	64	77	90	102	115	128
Ak .128	Ps	.006	.010	.015	.022	.030	.039	.049	.061
	Throw	7	9.5	11.75	14.25	16.5	18.75	21	23.75
	Spread	-	-	-	-	-	-	-	-
4x14	CFM	45	61	76	91	106	121	136	151
Ak .151	Ps	.006	.010	.016	.023	.030	.039	.050	.061
	Throw	7.5	10.5	13	15.5	18	20.5	23	26
	Spread	-	-	-	-	-	-	-	-

Contemporary Wood Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x10 Ak .052	CFM	15	21	26	31	36	41	46	52
	Ps	.011	.019	.030	.042	.057	.074	.094	.115
	Throw	2	2.5	3	3.5	4	5	5.5	6
	Spread	4.5	5.5	6.5	7.5	8.5	10.5	12	13
2x12 Ak .059	CFM	18	23	29	35	41	47	53	59
	Ps	.010	.017	.026	.038	.051	.066	.084	.103
	Throw	3	4	5	6	7	8.25	9	10
	Spread	6.5	8.75	10.75	12.75	15	17.5	19.5	21.5
2x14 Ak .066	CFM	20	26	33	39	46	53	59	66
	Ps	.008	.015	.023	.033	.045	.059	.074	.091
	Throw	4	5.5	7	8.5	10	11.5	12.5	14
	Spread	8.5	12	15	18	21.5	24.5	27	30
4x10 Ak .103	CFM	31	41	52	62	72	82	93	103
	Ps	.008	.020	.023	.033	.045	.059	.074	.091
	Throw	5	7	8.5	10.5	12	14	15.5	17.5
	Spread	6	8.5	10.5	13	15	17	19	21.5
4x12 Ak .123	CFM	37	49	61	74	86	98	111	123
	Ps	.008	.016	.021	.030	.041	.054	.068	.084
	Throw	5.5	7.25	9	11	12.75	14.75	16.5	18.25
	Spread	6.75	8.75	11	13.5	15.75	18	20.25	22.5
4x14 Ak .143	CFM	43	57	71	86	100	114	129	143
	Ps	.007	.012	.019	.028	.038	.049	.062	.076
	Throw	6	7.5	9.5	11.5	13.5	15.5	17.5	19
	Spread	7.5	9	11.5	14	16.5	19	21.5	23.5
6x10 Ak .150	CFM	45	60	75	90	105	120	135	150
	Ps	.007	.013	.020	.029	.039	.051	.064	.079
	Throw	5	6.5	8.5	10	11.5	13	15	16.5
	Spread	7.5	9.5	12.5	14.5	17	19	22	24
6x12 Ak .183	CFM	55	73	91	110	128	146	164	183
	Ps	.007	.012	.019	.027	.037	.048	.061	.075
	Throw	5.75	7.5	9.75	11.5	13.25	15.25	17.25	19
	Spread	8.5	11	14.25	16.75	19.5	22.25	25.25	27.75
6x14 Ak .216	CFM	65	86	108	129	151	173	194	216
	Ps	.007	.012	.018	.026	.035	.045	.057	.070
	Throw	6.5	8.5	11	13	15	17.5	19.5	21.5
	Spread	9.5	12.5	16	19	22	25.5	28.5	31.5

Contemporary Wood Flush-mount Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x12 Ak .055	CFM	17	22	28	33	39	44	50	55
	Ps	.008	.014	.023	.032	.044	.057	.072	.089
	Throw	4	5	6.5	7.5	9	10	11.5	12.5
	Spread	6	7	9.5	11	13	14.5	16.5	18
4x10 Ak .110	CFM	33	44	55	66	77	88	99	110
	Ps	.008	0.020	.023	.033	.045	.059	.074	.091
	Throw	6	8	10	12	14	16	18	19.5
	Spread	12.5	16.5	20.5	25	29	33	37.5	40.5
4x12 Ak .136	CFM	41	55	68	82	95	109	123	136
	Ps	.008	.015	.023	.033	.045	.058	.074	.090
	Throw	6.5	8.5	10.5	12.5	14.5	17	19	21
	Spread	13.5	17.5	22	26	30	35	39.5	43.5

Contemporary Metal and Wood Inlay Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x12 Ak .059	CFM	18	24	29	35	41	47	53	59
	Ps	.006	.012	.018	.025	.035	.045	.057	.070
	Throw	5	7	8.5	10.5	12	13.5	15.5	17
	Spread	-	-	-	-	-	-	-	-
4x10 Ak .105	CFM	31	42	52	63	73	84	94	105
	Ps	.006	.011	.018	.025	.084	.044	.056	.068
	Throw	7	9	11.5	13.5	16	18	20.5	22.5
	Spread	-	-	-	-	-	-	-	-
4x12 Ak .126	CFM	38	51	63	76	88	101	114	126
	Ps	.006	.011	.017	.025	.058	.044	.055	.068
	Throw	7.5	9.75	12.5	14.75	17.25	19.75	22.25	24.5
	Spread	-	-	-	-	-	-	-	-
4x14 Ak .148	CFM	44	59	74	89	104	119	133	148
	Ps	.006	.011	.017	.025	.033	.043	.054	.067
	Throw	8	10.5	13.5	16	18.5	21.5	24	26.5
	Spread	-	-	-	-	-	-	-	-

Contemporary Plated Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x12 Ak .062	CFM	19	25	31	37	44	50	56	62
	Ps	.007	.123	.019	.028	.038	.049	.061	.075
	Throw	2	3	3.5	4.5	5	6	6.5	7.5
	Spread	6	9	11	14	15.5	18.5	20	23
4x10 Ak .092	CFM	28	37	46	55	64	74	83	92
	Ps	.007	.128	.198	.029	.039	.050	.063	.078
	Throw	3.5	5	6	7	8.5	9.5	11	12
	Spread	5	7.5	9	10.5	12.5	14	16.5	18
4x12 Ak .123	CFM	37	49	62	74	86	99	111	123
	Ps	.007	.070	.108	.028	.037	.049	.061	.076
	Throw	3.75	5.25	6.5	7.75	9	10.25	11.75	13
	Spread	5.5	7.75	9.75	11.5	13.25	15.25	17.5	19.5
4x14 Ak .155	CFM	46	62	77	93	108	124	139	155
	Ps	.007	.013	.019	.027	.036	.047	.059	.073
	Throw	4	5.5	7	8.5	9.5	11	12.5	14
	Spread	6	8	10.5	12.5	14	16.5	18.5	21

Contemporary Cast Floor Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
2x10 Ak .054	CFM	16	21	27	32	37	43	48	54
	Ps	.006	.010	.016	.023	.031	.041	.051	.063
	Throw	2.5	3	4	4.5	5.5	6	7	8
	Spread	-	-	-	-	-	-	-	-
2x12 Ak .069	CFM	21	27	34	41	48	55	62	69
	Ps	.006	.011	.017	.024	.032	.042	.053	.065
	Throw	4	5	6.5	7.75	9	10.25	11.5	13
	Spread	-	-	-	-	-	-	-	-
2x14 Ak .084	CFM	25	33	42	50	59	67	75	84
	Ps	.006	.011	.017	.025	.033	.044	.055	.067
	Throw	5.5	7	9	11	12.5	14.5	16	18
	Spread	-	-	-	-	-	-	-	-
4x10 Ak .115	CFM	35	46	58	69	81	92	104	115
	Ps	.006	.010	.016	.023	.031	.041	.051	.063
	Throw	8	11	13.5	16.5	19	22	24.5	27.5
	Spread	-	-	-	-	-	-	-	-

Contemporary Cast Floor Diffuser *continued*

Face Velocity		300	400	500	600	700	800	900	1000
4x12	CFM	42	56	70	84	98	112	126	140
Ak .140	Ps	.006	.010	.015	.022	.030	.039	.049	.060
	Throw	9	12	15	18.25	21	24.25	27	30.25
	Spread	-	-	-	-	-	-	-	-
4x14	CFM	50	66	83	99	116	132	149	165
Ak .165	Ps	.005	.009	.014	.021	.028	.037	.046	.057
	Throw	10	13	16.5	20	23	26.5	29.5	33
	Spread	-	-	-	-	-	-	-	-

Perimeter Wood Baseboard Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
15-inch	CFM	38	50	63	76	88	101	113	126
Ak .126	Ps	.006	.010	.016	.023	.031	.041	.051	.063
	Throw	0.5	0.5	1	1	1.5	1.5	1.5	2
	Spread	1	1	1.5	1.5	2.5	2.5	2.5	3
18-inch	CFM	48	64	80	96	112	128	144	160
Ak .160	Ps	.007	.012	.018	.026	.035	.045	.057	.070
	Throw	0.5	1	1	1.5	1.5	2	2	2.5
	Spread	1	1.5	1.5	2.5	2.5	3	3	4

Perimeter Metal Baseboard Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
15 inch	CFM	48	63	79	95	111	127	143	159
Ak .159	Ps	.005	.009	.014	.020	.027	.035	.044	.053
	Throw	5.5	7.5	9	11	13	14.5	16.5	18.5
	Spread	5.5	7.5	9.5	11.5	13.5	15	17	19
18-inch	CFM	80	105	130	155	180	210		
Ak .260	Ps	.013	.022	.035	.048	.067	.088		
	Throw	5	7	8	9	10	11		
	Spread	4.5	6.5	7.5	8.5	9.5	11		