



Perforated Ceiling Diffuser Performance Data

PS-1

Velocity of neck in FPM	300	400	500	600	700	800	1000	
Velocity pressure	.006	.011	.017	.022	.033	.040	.066	
Total pressure	.013	.022	.035	.046	.070	.083	.137	6"
CFM	60	80	100	120	140	160	200	
NC	10	12	18	22	27	29	35	
Throw	1-2-4	2-3-6	2-4-7	3-5-8	3-5-8	3-7-10	5-8-11	
Total pressure	.014	.023	.036	.052	.071	.086	.149	8"
CFM	100	150	175	200	250	275	350	
NC	14	18	21	29	32	37	45	
Throw	1-4-7	2-5-9	4-5-10	5-7-10	5-8-12	5-9-13	6-10-14	
Total pressure	.015	.026	.040	.058	.082	.101	.187	10"
CFM	175	225	275	325	375	425	550	
NC	12	20	26	29	36	40	46	
Throw	1-4-7	3-7-9	4-7-11	5-8-12	6-10-13	7-11-14	8-12-18	
Total pressure	.019	.034	.050	.080	.109	.131	.216	12"
CFM	225	300	400	475	550	625	775	
NC	13	23	29	31	38	40	48	
Throw	2-5-9	3-8-12	5-9-13	5-10-15	6-10-16	7-12-19	8-13-20	
Total pressure	.024	.037	.063	.091	.126	.160	.247	14"
CFM	325	425	525	625	725	850	1075	
NC	17	25	31	37	41	42	53	
Throw	2-4-8	4-7-11	6-9-14	7-10-18	7-12-20	8-14-19	10-16-22	

Pressure in all cases is in inches of water or W.G.
Throws are at terminal velocity of 150 FPM, 100 FPM and 50 FPM respectively.

PS-2 Performance Data

Velocity of neck in FPM	300	400	500	600	700	800	1000	
Velocity pressure	.006	.011	.017	.022	.033	.040	.066	
Total pressure	.014	.023	.036	.052	.071	.086	.149	6 x 6
CFM	80	100	140	170	200	225	275	
NC	10	12	21	25	30	33	39	
Throw	1-4-7	2-5-9	4-5-10	5-7-10	5-8-12	5-9-13	6-10-14	
Total pressure	.015	.026	.040	.058	.082	.101	.187	8 x 8
CFM	175	225	275	325	375	425	550	
NC	12	20	26	29	36	40	46	
Throw	1-4-7	3-7-9	4-7-11	5-8-12	6-10-13	7-11-14	8-12-18	
Total pressure	.019	.034	.050	.080	.109	.131	.216	10 x 10
CFM	225	300	400	475	550	625	775	
NC	13	23	29	31	38	40	48	
Throw	2-5-9	3-8-12	5-9-13	5-10-15	6-10-16	7-12-19	8-13-20	
Total pressure	.024	.037	.063	.091	.126	.160	.247	12 x 12
CFM	325	425	525	625	725	850	1075	
NC	17	25	31	37	41	42	53	
Throw	2-4-8	4-7-11	6-9-14	7-10-18	7-12-20	8-14-19	10-16-22	

Pressure in all cases is in inches of water or W.G.
Throws are at terminal velocity of 150 FPM, 100 FPM and 50 FPM respectively.

PR-2 Performance Data

Velocity - FPM	300	400	500	600	700	800	1000	
Static pressure	(.030)	(.050)	(.077)	(.111)	(.211)	(.311)	(.450)	22 x 22 NECK
Capacity (In CFM)	1000	1400	1700	2000	2400	2750	3400	
NC	12	20	26	35	38	41	49	