

Model PSD / Plaque Diffuser

24" x 24" MODULE

Supply Performance Data

INLET SIZE	Neck Velocity	400	500	600	700	800	900	1000	1200
	Vel. Pressure	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.09
6" Dia	Flow, cfm	75	100	115	135	155	175	195	235
	Ps	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03
	Throw,ft	1-2-3	1-3-4	2-4-5	2-4-6	2-5-6	3-5-7	3-5-9	4-6-10
	NC	<20	<20	<20	<20	<20	<20	20	27
8" Dia	Flow, cfm	140	175	210	245	280	315	350	420
	Ps	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07
	Throw,ft	2-3-4	2-3-5	2-3-7	3-4-8	3-5-9	4-6-10	5-7-11	6-8-12
	NC	<20	<20	<20	<20	<20	20	24	31
10" Dia	Flow, cfm	220	275	325	380	435	490	545	655
	Ps	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.15
	Throw,ft	3-4-8	3-5-9	3-5-10	4-6-12	5-7-13	5-8-14	7-9-15	8-11-17
	NC	<20	<20	<20	<20	<20	23	27	34
12" dia	Flow, cfm	315	390	470	550	625	705	785	940
	Ps	0.03	0.04	0.06	0.08	0.11	0.14	0.17	0.24
	Throw,ft	4-5-10	4-7-13	5-8-14	7-9-16	7-11-17	8-12-18	10-14-19	11-15-20
	NC	<20	<20	<20	<20	22	26	30	37
14" Dia	Flow, cfm	425	535	640	750	855	960	1,070	1,285
	Ps	0.04	0.06	0.08	0.12	0.15	0.19	0.24	0.34
	Throw,ft	4-7-14	6-9-17	7-11-18	10-13-20	11-15-21	12-16-22	12-18-24	14-19-26
	NC	<20	<20	<20	<20	24	28	32	39
15" Dia	Flow, cfm	490	615	735	860	980	1,105	1,225	1,475
	Ps	0.05	0.07	0.10	0.14	0.18	0.23	0.28	0.41
	Throw,ft	6-9-17	7-11-19	9-13-21	11-15-22	12-16-23	12-17-24	13-18-25	16-20-27
	NC	<20	<20	<20	<20	25	29	33	40

Data determined in accordance with ASHRAE Standard 70-1991

Neck Velocity - Feet per Minute

Velocity Pressure - inches W.G.

Ps - Static Pressure, Inches W.G.

Throw - Distance, in feet, to terminal velocities of 150,100,50 FPM, respectively.

NC - Noise Criteria with room attenuation of 10 db.



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