

PERFORMANCE DATA

diffusers

PAS FLUSH FACE / SUPPLY / STEEL / ADJUSTABLE

24 x 24 Module	6" Dia.	Neck Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
		Airflow, cfm	59	79	98	118	137	157	196	236	275
		Total Pressure	0.016	0.028	0.044	0.064	0.087	0.113	0.177	0.255	0.347
		NC (Noise Criteria)	-	-	-	16	21	25	32	38	43
		1-Way - Horizontal Throw	1-2-8	2-4-10	3-7-13	4-8-15	6-9-17	7-10-18	9-13-20	10-15-22	12-17-23
		2-Way - Horizontal Throw	1-2-6	2-4-8	3-5-10	4-6-11	4-7-13	5-8-15	6-10-17	8-11-18	9-13-20
		3-Way - Horizontal Throw	1-2-5	2-3-6	3-4-8	3-5-10	4-6-11	4-6-12	5-8-14	6-10-15	8-11-16
	4-Way - Horizontal Throw	1-2-4	2-2-5	2-3-6	2-4-7	3-4-9	3-5-10	4-6-11	5-7-12	6-9-13	
	6 x 6 Neck	Airflow, cfm	75	100	125	150	175	200	250	300	350
		Total Pressure	0.017	0.029	0.046	0.066	0.090	0.118	0.184	0.265	0.360
		NC (Noise Criteria)	-	-	13	19	23	28	35	41	45
		1-Way - Horizontal Throw	1-3-9	2-5-12	3-7-15	5-9-17	7-10-19	8-12-20	10-15-22	12-17-24	14-19-26
		2-Way - Horizontal Throw	1-3-6	2-4-9	3-5-11	4-6-13	5-8-15	6-9-17	7-11-19	9-13-21	10-15-22
		3-Way - Horizontal Throw	1-3-5	2-4-7	3-5-9	4-5-11	4-6-13	5-7-14	6-9-16	7-11-17	9-13-19
		4-Way - Horizontal Throw	1-2-4	2-3-6	2-3-7	3-4-8	3-5-10	4-6-11	5-7-12	6-8-13	7-10-15
		8" Dia.	Airflow, cfm	105	140	175	209	244	279	349	419
	Total Pressure		0.018	0.032	0.049	0.071	0.097	0.126	0.197	0.284	0.386
	NC (Noise Criteria)		-	-	16	22	27	31	38	44	49
	1-Way - Horizontal Throw		1-3-10	3-6-14	4-9-17	6-10-20	8-12-22	9-14-24	12-17-26	14-20-29	16-22-31
	2-Way - Horizontal Throw		1-3-8	3-5-10	4-6-13	5-8-15	6-9-18	7-10-20	8-13-22	10-15-25	12-18-27
	3-Way - Horizontal Throw		2-3-6	3-4-9	4-5-11	4-6-13	5-8-15	6-9-17	7-11-18	9-13-20	10-15-22
	4-Way - Horizontal Throw		1-2-5	2-3-7	3-4-8	3-5-10	4-6-12	4-7-13	5-8-15	7-10-16	8-12-17
	8 x 8 Neck		Airflow, cfm	133	178	222	267	311	356	444	533
Total Pressure		0.019	0.034	0.052	0.075	0.103	0.134	0.210	0.302	0.411	
NC (Noise Criteria)		-	12	19	25	29	34	41	47	51	
1-Way - Horizontal Throw		2-4-12	3-7-16	5-10-20	7-12-23	9-14-25	10-16-27	13-20-30	16-23-33	18-25-35	
2-Way - Horizontal Throw		2-4-9	3-6-11	5-7-14	6-9-17	7-10-20	8-11-23	10-14-25	11-17-28	13-20-30	
3-Way - Horizontal Throw		2-4-7	3-5-10	4-6-12	5-7-15	6-9-17	8-12-21	10-15-23	11-17-25	11-17-25	
4-Way - Horizontal Throw		1-3-6	2-4-7	3-5-9	4-6-11	4-7-13	5-7-15	6-9-16	7-11-18	9-13-19	
10" Dia.		Airflow, cfm	164	218	273	327	382	436	545	654	764
	Total Pressure	0.020	0.036	0.056	0.080	0.109	0.143	0.223	0.321	0.437	
	NC (Noise Criteria)	-	14	21	27	32	36	43	49	54	
	1-Way - Horizontal Throw	2-4-13	3-7-17	5-11-22	7-13-26	10-15-28	12-17-30	15-22-33	17-26-36	20-28-39	
	2-Way - Horizontal Throw	2-4-10	3-6-13	5-8-16	6-10-19	7-11-22	8-13-25	11-16-28	13-19-31	15-22-33	
	3-Way - Horizontal Throw	2-4-8	4-5-11	4-7-13	5-8-16	6-9-19	7-11-21	9-13-23	11-16-25	13-19-27	
	4-Way - Horizontal Throw	1-3-6	3-4-8	3-5-10	4-6-12	5-7-14	5-8-16	7-10-18	8-12-20	10-14-21	
	10 x 10 Neck	Airflow, cfm	208	278	347	417	486	556	694	833	972
Total Pressure		0.022	0.039	0.061	0.087	0.119	0.155	0.243	0.349	0.476	
NC (Noise Criteria)		-	16	23	29	34	38	45	51	56	
1-Way - Horizontal Throw		2-5-15	4-8-20	6-12-25	8-15-29	11-17-31	13-20-33	16-25-37	20-29-41	23-31-44	
2-Way - Horizontal Throw		2-5-11	4-7-14	6-9-18	7-11-21	8-13-25	10-14-28	12-18-32	14-21-35	17-25-37	
3-Way - Horizontal Throw		2-5-9	4-6-12	5-8-15	6-9-18	7-11-21	8-12-23	10-15-26	12-18-29	14-21-31	
4-Way - Horizontal Throw		2-3-7	3-5-9	4-6-12	5-7-14	5-8-16	6-9-18	8-12-20	9-14-22	11-16-24	
12" Dia.		Airflow, cfm	236	314	393	471	550	628	785	942	1100
	Total Pressure	0.032	0.057	0.089	0.128	0.174	0.227	0.355	0.510	0.695	
	NC (Noise Criteria)	-	18	25	30	35	40	47	52	57	
	1-Way - Horizontal Throw	7-12-22	10-16-25	13-19-28	16-22-31	18-23-33	20-25-35	23-28-40	25-31-43	27-33-47	
	2-Way - Horizontal Throw	6-8-17	8-11-21	9-14-24	11-17-26	13-20-28	15-21-30	19-24-34	21-26-37	23-28-40	
	3-Way - Horizontal Throw	5-7-14	6-10-18	8-12-20	10-14-21	11-16-23	13-18-25	16-20-28	18-21-30	19-23-33	
	4-Way - Horizontal Throw	4-6-11	5-7-14	6-9-15	7-11-17	9-13-18	10-14-19	12-15-22	14-17-24	15-18-26	
	12 x 12 Neck	Airflow, cfm	300	400	500	600	700	800	1000	1200	1400
Total Pressure		0.033	0.059	0.092	0.133	0.181	0.236	0.369	0.531	0.723	
NC (Noise Criteria)		-	20	27	33	38	42	49	55	60	
1-Way - Horizontal Throw		8-13-24	12-18-28	15-22-32	18-24-35	20-26-37	23-28-40	26-32-45	28-35-49	31-37-53	
2-Way - Horizontal Throw		6-10-19	9-13-24	11-16-27	13-19-29	15-22-32	17-24-34	21-27-38	24-29-42	26-32-45	
3-Way - Horizontal Throw		5-8-16	7-11-20	9-14-22	11-16-24	13-19-26	14-20-28	18-22-31	20-24-34	21-26-37	
4-Way - Horizontal Throw		4-6-12	6-8-16	7-10-17	8-12-19	10-15-21	11-16-22	14-17-25	16-19-27	17-21-29	
14" Dia.		Airflow, cfm	321	428	535	641	748	855	1069	1283	1497
	Total Pressure	0.034	0.060	0.093	0.135	0.183	0.239	0.374	0.538	0.733	
	NC (Noise Criteria)	12	21	28	34	38	43	50	56	60	
	1-Way - Horizontal Throw	8-14-25	12-18-29	15-23-33	18-25-36	21-27-39	24-29-41	27-33-46	29-36-51	32-39-55	
	2-Way - Horizontal Throw	7-10-20	9-13-25	11-17-28	13-20-30	15-23-33	18-25-35	22-28-39	25-30-43	27-33-47	
	3-Way - Horizontal Throw	6-8-17	7-11-20	9-14-23	11-17-25	13-19-27	15-20-29	19-23-32	20-25-35	22-27-38	
	4-Way - Horizontal Throw	4-6-13	6-9-16	7-11-18	9-13-20	10-15-21	11-16-23	14-18-25	16-20-28	17-21-30	
	16" Dia.	Airflow, cfm	419	559	698	838	977	1117	1396	1676	1955
Total Pressure		0.036	0.063	0.099	0.143	0.194	0.253	0.396	0.570	0.776	
NC (Noise Criteria)		14	23	31	36	41	45	53	58	63	
1-Way - Horizontal Throw		10-16-29	14-21-33	17-26-37	21-29-41	24-31-44	27-33-47	31-37-53	33-41-58	36-44-63	
2-Way - Horizontal Throw		8-11-23	10-15-28	13-19-32	15-23-35	18-26-38	20-28-40	25-32-45	28-35-49	31-38-53	
3-Way - Horizontal Throw		6-10-19	9-13-23	11-16-26	13-19-29	15-22-31	17-23-33	21-26-37	23-29-41	25-31-44	
4-Way - Horizontal Throw		5-7-15	7-10-18	8-12-21	10-15-23	11-17-24	13-18-26	16-21-29	18-23-32	20-24-34	

Performance notes appear at end of performance data