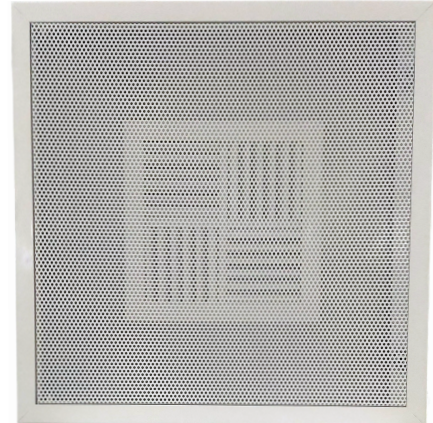


MODEL PMOD-200

MODULAR CORE PERFORATED DIFFUSER

APPLICATION

PMOD Series perforated face high capacity modular core directional diffusers offer a perforated face for smooth integration with the ceiling system. Field adjustment of the air pattern is easily accomplished by opening the perforated face plate and repositioning the modular pattern controllers. The core design provides an excellent horizontal pattern recommended for cooling, heating & ventilation in both application Constant & Variable Volume (CAV & VAV) systems.

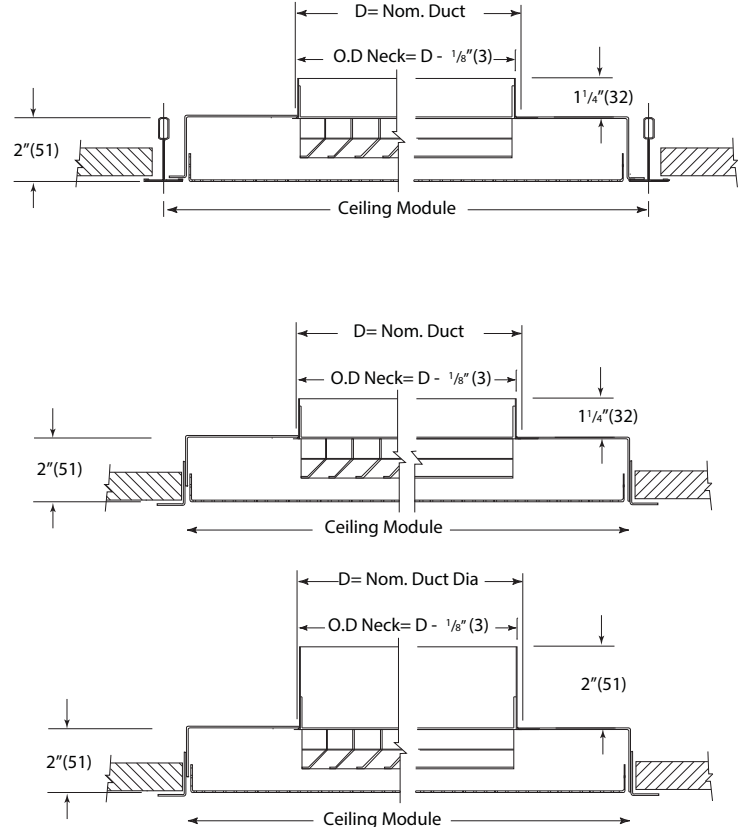


FEATURES

- Steel perforated face, backpan with aluminum core construction. (PMOD-S)
- Perforated face panel has 3/16" (5) diameter holes staggered 1/4" (6) on center.
- Four louvered air pattern modules are located at the neck and can be easily repositioned in the field without tools
- Adjustable 1, 2, 3 or 4 ways patterns, in a wide selection of sizes.
- Standard finish off White Ral 9010

OPTIONS

- Steel backpan with aluminum perforated face plate and core (PMOD-A)
- Opposed blade damper available
- Any Ral Color for special finishes





MODEL PMOD-200 PERFORMANCE DATA

12" X 12" (305 X 305) MODULE

Inlet Size Inch	Neck Velocity, FPM		300	400	500	600	700	800	900	1000	1200
	Velocity Pressure, in.w.g.	Total Pressure, in.w.g.	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.090
6	Flow Rate, CFM NC.		59	79	98	118	137	157	177	196	236
			--	--	19	25	31	35	40	44	50
	Throw, Feet	4 Way	2-3-7	3-4-9	4-5-10	4-7-11	5-8-12	6-9-13	7-10-14	7-10-15	9-11-16
		3 Way	3-4-8	4-5-11	4-7-12	5-8-14	6-9-15	7-10-16	8-12-17	9-12-18	11-14-19
		2 Way	4-5-11	5-7-14	6-9-17	7-11-18	8-12-20	9-14-21	11-16-22	12-17-23	14-18-26
1 Way		4-7-13	6-9-18	7-11-21	9-13-23	10-15-24	12-17-26	13-20-28	15-21-29	18-23-32	

24" X 24" (610 X 610) MODULE

Inlet Size Inch	Neck Velocity, FPM		300	400	500	600	700	800	900	1000	1200
	Velocity Pressure, in.w.g.	Total Pressure, in.w.g.	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.090
6	Flow Rate, CFM NC.		59	79	98	118	137	157	177	196	236
			--	--	19	25	31	35	40	44	50
	Throw, Feet	4 Way	2-3-7	3-4-8	4-5-8	4-7-9	5-7-10	6-8-11	7-8-11	7-8-12	8-9-13
		3 Way	3-4-8	4-5-9	4-7-10	5-8-11	6-8-12	7-9-13	8-10-14	8-10-14	9-11-16
		2 Way	4-5-10	5-7-12	6-9-13	7-10-15	8-11-16	9-12-17	10-13-18	11-13-19	12-15-21
1 Way		4-7-13	6-9-15	7-11-17	9-13-18	10-14-20	12-15-21	13-16-23	14-17-24	15-18-26	
8	Flow Rate, CFM NC.		105	140	175	209	244	279	314	349	419
			--	--	22	28	34	38	43	47	53
	Throw, Feet	4 Way	2-4-8	3-5-10	4-6-11	5-8-12	6-9-13	7-10-14	8-11-15	8-11-16	10-12-17
		3 Way	2-5-9	4-6-12	5-8-13	6-9-15	7-11-16	8-12-17	9-13-18	10-13-19	12-15-21
		2 Way	3-6-12	5-8-16	7-10-18	8-12-20	9-14-21	11-16-23	12-17-24	14-18-25	16-20-28
1 Way		4-8-15	7-10-20	8-13-22	10-15-25	12-18-27	14-20-28	15-21-30	17-22-32	20-25-35	
10	Flow Rate, CFM NC.		164	218	273	327	382	436	491	545	654
			--	16	24	30	36	41	45	49	55
	Throw, Feet	4 Way	2-5-9	4-6-12	5-8-14	6-9-15	7-11-17	8-12-18	9-13-19	10-14-20	12-15-22
		3 Way	3-5-11	5-7-14	6-9-17	7-11-18	8-13-20	10-14-21	11-16-23	12-17-24	14-18-26
		2 Way	3-7-14	6-10-19	8-12-22	10-14-25	11-17-27	13-19-28	14-21-30	16-22-32	19-25-35
1 Way		4-9-18	8-12-24	10-15-28	12-18-31	14-21-33	16-24-35	18-27-38	20-28-40	24-31-43	
10 X 10	Flow Rate, CFM NC.		208	278	347	417	486	556	625	694	833
			--	17	25	32	37	42	46	50	57
	Throw, Feet	4 Way	4-6-11	5-8-14	6-10-16	8-12-17	9-13-19	10-14-20	11-15-21	13-16-22	14-17-24
		3 Way	4-7-14	6-9-17	8-11-19	9-14-21	11-16-22	12-17-24	14-18-25	15-19-27	17-21-29
		2 Way	6-9-18	8-12-23	10-15-25	12-18-28	14-21-30	16-23-32	18-24-34	20-25-36	23-28-39
1 Way		7-11-23	10-15-28	13-19-32	15-23-35	18-26-37	20-28-40	23-30-42	26-32-45	28-35-49	
12	Flow Rate, CFM NC.		236	314	393	471	550	628	707	785	942
			--	18	26	32	38	43	47	51	57
	Throw, Feet	4 Way	2-5-11	4-7-14	6-9-17	7-11-18	8-12-20	9-14-21	11-16-23	12-17-24	14-18-26
		3 Way	3-6-13	5-8-17	7-11-20	8-13-22	10-15-24	11-17-26	13-19-27	14-20-29	17-22-31
		2 Way	4-8-17	7-11-22	9-14-27	11-17-29	13-20-32	15-22-34	17-25-36	19-27-38	22-29-42
1 Way		5-11-21	9-14-28	12-18-34	14-21-37	16-25-40	19-28-43	21-32-45	23-34-48	28-37-52	
12 x 12	Flow Rate, CFM NC.		300	400	500	600	700	800	900	1000	1200
			--	19	27	34	39	44	48	52	59
	Throw, Feet	4 Way	4-7-13	6-9-17	7-11-19	9-13-21	10-16-22	12-17-24	13-18-25	15-19-27	17-21-29
		3 Way	5-8-16	7-11-20	9-13-23	11-16-25	13-19-27	14-20-29	16-22-31	18-23-32	20-25-35
		2 Way	6-11-21	10-14-27	12-18-30	14-21-33	17-25-36	19-27-38	21-29-41	24-30-43	27-33-47
1 Way		8-13-27	12-18-34	15-22-38	18-27-42	21-31-45	24-34-48	27-36-51	30-38-54	34-42-59	
14	Flow Rate, CFM NC.		321	428	535	641	748	855	962	1069	1283
			--	19	27	34	39	44	49	52	59
	Throw, Feet	4 Way	3-6-12	5-8-16	7-10-20	8-12-21	9-14-23	11-16-25	12-18-26	13-20-28	16-21-30
		3 Way	3-7-15	6-10-19	8-12-24	10-15-26	11-17-28	13-19-30	15-22-35	16-24-33	19-26-36
		2 Way	4-10-19	8-13-26	11-16-31	13-19-34	15-23-37	17-26-40	19-29-42	22-31-44	26-34-49
1 Way		5-12-24	10-16-32	13-20-39	16-24-43	19-28-46	22-32-50	24-36-53	27-39-55	32-43-61	



MODEL PMOD-200 PERFORMANCE DATA

24" X 24" (610 X 610) MODULE

Inlet Size Inch	Neck Velocity, FPM		300	400	500	600	700	800	900	1000	1200	
	Velocity Pressure, in.w.g.		0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.090	
	Total Pressure, in.wg		0.028	0.047	0.075	0.103	0.146	0.188	0.235	0.291	0.423	
14 X 14	Flow Rate, CFM NC.		408	544	681	817	953	1089	1225	1361	1633	
			--	21	29	35	41	46	50	54	60	
	Throw, Feet		4 Way	4-8-15	7-10-20	9-13-22	10-15-24	12-18-26	14-20-28	15-21-30	17-22-31	20-24-34
			3 Way	5-9-18	8-12-24	10-15-27	12-19-29	14-22-31	16-24-34	19-25-36	21-27-38	24-29-41
			2 Way	7-12-25	11-16-32	14-21-35	16-25-39	19-29-42	22-32-45	25-34-48	27-35-50	32-39-55
		1 Way	9-15-31	14-21-40	17-26-44	21-31-49	24-36-52	27-40-56	31-42-59	34-44-63	40-48-69	
16 X 16	Flow Rate, CFM NC.		533	711	889	1067	1244	1422	1600	1778	2133	
			--	22	30	37	42	47	51	55	62	
	Throw, Feet		4 Way	5-9-17	8-12-23	10-15-25	12-17-28	14-20-30	16-23-32	17-24-34	19-25-36	23-28-39
			3 Way	6-10-21	9-14-27	12-17-30	14-21-33	16-24-36	19-27-38	21-29-41	23-30-43	27-33-47
			2 Way	8-14-28	12-19-36	16-23-40	19-28-44	22-33-48	25-36-51	28-38-54	31-40-57	36-44-63
		1 Way	10-17-35	16-23-45	19-29-51	23-35-55	27-41-60	31-45-64	35-48-68	39-51-72	45-55-78	
18 X 18	Flow Rate, CFM NC.		675	900	1125	1350	1575	1800	2025	2250	2700	
			--	23	31	38	43	48	52	56	63	
	Throw, Feet		4 Way	5-10-20	9-13-25	11-16-28	13-20-31	15-23-34	17-25-36	20-27-38	22-28-40	25-31-44
			3 Way	6-12-23	10-16-31	13-20-34	16-23-37	18-27-40	21-31-43	23-32-46	26-34-48	31-37-53
			2 Way	8-16-31	14-21-41	17-26-46	21-31-50	24-36-54	28-41-58	31-43-61	35-46-64	41-50-71
		1 Way	11-20-39	17-26-51	22-33-57	26-39-62	30-46-67	35-51-72	39-54-76	43-57-80	51-62-88	

Performance Notes:

- 1) Tested in accordance with ASHRAE Standard 70-91 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- 2) Air flow is in cubic feet per minute, CFM
- 3) All pressures are in Inch of Water. To obtain static pressure, subtract the velocity pressure at the top of the column from the listed total pressure.
- 4) Throw values are given in feet to terminal velocities of 150 fpm , 100 fpm and 50 fpm .
- 5) Throw data is based on supply air and room air being at Isothermal conditions.
- 6) The NC values, sound pressure level are based on a room absorption of 10dB re 10-12watts.
- 7) Blanks (--) indicate an NC level below 15.