

STANDARD CONSTRUCTION
MATERIAL:

BACKPAN: STEEL

FACE: PERFORATED (3/16" HOLES, 1/4" O.C.) METAL, STEEL OR ALUMINUM DEPENDING ON MODEL CHOSEN.

DAMPER: (OPTIONAL) STEEL

FEATURES:

INSTALLED DIFFUSER FACE IS REMOVABLE BY REPOSITIONING THE TENSION SPRINGS.

DIFFUSER AIRFLOW PATTERN IS SET AT FACTORY ACCORDING TO OPTIONS BELOW

PSC: DIFFUSER ONLY, STEEL FACE

PSCN: DIFFUSER ONLY, ALUMINUM FACE

FINISH:

BACKPAN: WHITE

FACE: SKY-WHITE (STANDARD)

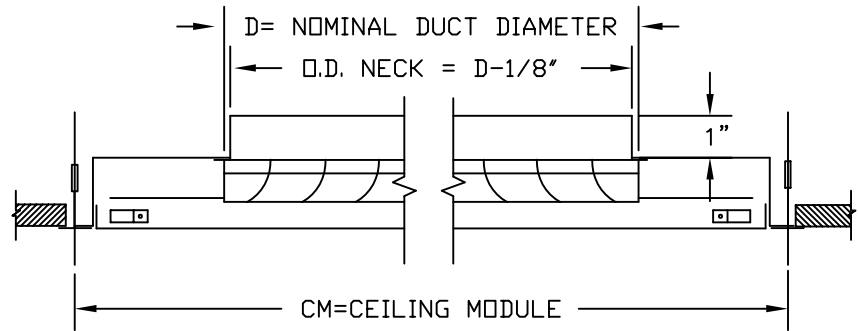
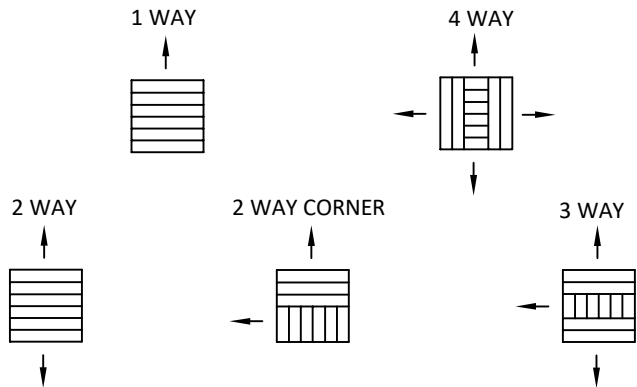
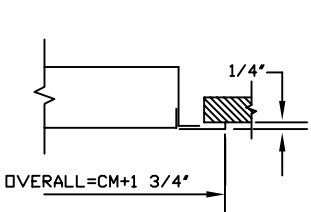
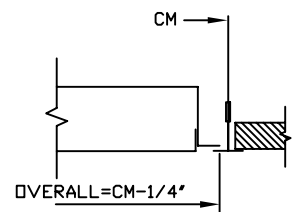
AXALTA SKY-WHITE 100% POLYESTER POWDER COATING GIVES AN ATTRACTIVE BRIGHT WHITE FINISH AND PROVIDES ADDITIONAL PROTECTION FROM AGING AND WEAR.

AVAILABLE SIZES:

CEILING MODULE (CM): 24" X 24"

D SQUARE DUCT				
6" X 6"	8" X 8"	10" X 10"	12" X 12"	14" X 14" (356 X 356)

D ROUND DUCT				
6"	8"	10"	12"	14"


AIRFLOW PATTERN:

SURFACE MOUNT

T-BAR


JOB NAME:
LOCATION:
ARCHITECT:
ENGINEER:
CONTRACTOR:
CONTACT GRILLE TECH INC. FOR ADDITIONAL INFORMATION OR WITH SPECIAL REQUIREMENTS. 5101 NW 36TH AVE MIAMI, FL 33142 PHONE: 305-537-0053 FAX: 305-537-0064 WEB: WWW.GRILLETECHINC.COM EMAIL: SALES@GRILLETECHINC.COM

PSC SERIES

PERFORATED FACE SUPPLY DIFFUSERS

NOTE: ALL DRAWINGS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

DRAWN BY: MR	DATE: 8/01/17	SCALE: NOT TO SCALE	DRAWING NO.
CHECKED BY: IG	DATE: 8/30/17	REVISION: 8/01/17	PSC

PSC 24 x 24 Square Neck

Flush Face

Neck Size	FPM Neck	300	400	500	600	700	800	1000
	Pv In WG	.006	.010	.016	.023	.031	.040	.063
6" x 6"	Pt	.025	.044	.069	.100	.136	.177	.277
	CFM	75	100	125	150	175	200	250
	NC	<	22	27	33	36	39	46
Throw, Feet	4-Way	2-3-4	2-3-5	2-4-5	3-4-6	3-5-7	4-6-8	5-7-9
	3-Way	2-3-4	3-3-5	3-4-6	4-6-8	5-7-9	5-8-11	6-9-12
	2-Way	3-4-5	3-4-6	4-6-8	5-8-11	6-9-12	7-11-14	7-11-15
	1-Way	4-5-7	4-6-8	5-7-10	6-10-3	7-11-15	8-13-17	1015-20
8" x 8"	Pt	.030	.054	.087	.126	.173	.220	.356
	CFM	130	175	220	265	310	350	445
	NC	21	26	31	36	39	43	47
Throw, Feet	4-Way	3-4-6	3-4-6	3-5-7	4-6-8	5-7-10	6-8-12	6-10-13
	3-Way	3-5-6	3-5-7	4-6-8	5-7-10	6-10-13	7-11-15	8-13-17
	2-Way	3-6-7	5-7-10	6-9-12	7-11-14	8-13-17	10-15-20	11-17-24
	1-Way	4-6-8	5-8-11	7-11-14	8-13-17	10-15-20	11-17-22	13-19-28
10" x 10"	Pt	.034	.058	.092	.133	.181	.237	.372
	CFM	210	275	345	415	485	555	695
	NC	25	30	35	40	43	45	51
Throw, Feet	4-Way	3-4-5	4-5-8	5-7-10	5-8-11	6-10-13	7-11-15	8-13-17
	3-Way	4-5-7	4-6-9	6-9-12	7-11-14	8-13-17	9-14-19	10-15-21
	2-Way	5-7-10	6-9-12	7-11-15	9-14-19	11-16-22	12-18-25	15-19-22
	1-Way	5-8-11	7-11-15	9-14-17	11-17-23	13-20-27	15-23-30	17-26-35
12" x 12"	Pt	.038	.067	.105	.152	.206	.269	.421
	CFM	300	400	500	600	700	800	1000
	NC	27	33	38	42	47	51	57
Throw, Feet	4-Way	3-5-7	4-6-9	5-8-11	7-11-14	8-12-16	9-14-20	12-16-22
	3-Way	4-6-8	4-8-11	7-11-14	8-13-17	10-15-21	12-18-24	13-19-26
	2-Way	5-8-11	7-11-15	10-15-21	11-17-23	14-21-28	16-24-32	17-26-35
	1-Way	7-11-15	9-14-19	11-17-23	14-21-20	16-24-32	17-26-35	20-30-40
14" x 14"	Pt	.042	.074	.115	.166	.225	.297	.462
	CFM	410	545	680	815	950	1090	1360
	NC	30	36	40	44	48	52	58
Throw, Feet	4-Way	3-5-8	5-8-11	6-10-13	8-13-17	9-14-19	11-17-23	13-20-27
	3-Way	4-7-10	5-9-12	7-12-15	9-14-19	10-16-22	12-18-26	15-22-30
	2-Way	5-8-12	7-11-17	10-16-21	11-18-25	15-22-30	17-25-35	18-28-38
	1-Way	7-11-17	9-14-21	12-18-25	14-22-29	16-24-34	18-27-38	20-30-42
16" x 16"	Pt	.046	.082	.128	.184	.252	.328	.543
	CFM	530	710	885	1060	1240	1415	1770
	NC	31	36	40	45	49	53	59
Throw, Feet	4-Way	4-6-9	6-9-12	7-11-15	9-14-19	11-16-22	12-18-25	14-23-30
	3-Way	5-8-11	7-11-14	8-13-17	10-15-21	12-18-25	14-22-29	17-25-34
	2-Way	8-13-14	11-16-19	12-18-25	15-21-30	17-26-35	19-29-39	22-32-42
	1-Way	8-13-17	10-17-21	13-20-27	15-23-31	18-27-37	20-30-41	23-33-44

Notes:

1. All pressures are in inches of water.
2. Throw values are for velocities of 150, 100, and 50 FPM.
3. NC values are based on a room absorption of 10db.
4. < = NC less than 20db.



PSC 24 x 24 Round Neck

Curved Blade Core, Removable Flush Face

Neck Size	FPM Neck	300	400	500	600	700	800	1000
	Pv In WG	.006	.010	.016	.023	.031	.040	.063
6" Diameter	Pt	.027	.047	.074	.099	.135	.180	.285
	CFM	60	80	100	115	135	155	195
	NC	<	<	23	28	33	37	44
Throw, Feet	4-Way	2-3-4	2-3-4	2-3-5	2-4-6	3-5-7	4-6-8	5-8-11
	3-Way	3-5-7	3-6-8	3-6-8	3-6-9	4-6-9	4-7-9	6-9-12
	2-Way	4-6-8	4-7-9	4-8-9	5-8-10	6-9-12	7-10-13	8-12-16
	1-Way	5-8-10	5-9-10	5-9-12	6-9-12	7-10-13	8-12-16	9-14-18
8" Diameter	Pt	.021	.038	.059	.085	.116	.152	.238
	CFM	105	140	175	210	245	280	350
	NC	<	22	27	32	37	41	45
Throw, Feet	4-Way	3-5-7	3-5-7	4-6-8	5-8-11	6-9-12	7-10-13	9-14-18
	3-Way	4-6-8	4-7-9	5-8-11	6-9-12	7-10-13	8-12-16	10-15-20
	2-Way	5-8-11	5-8-11	6-9-12	7-10-13	8-12-16	9-14-18	11-16-21
	1-Way	5-9-12	6-9-12	7-10-13	8-12-16	9-14-18	10-15-20	12-18-24
10" Diameter	Pt	.026	.046	.069	.100	.137	.181	.283
	CFM	165	220	270	325	380	435	545
	NC	<	22	27	32	37	41	47
Throw, Feet	4-Way	3-5-7	4-6-8	5-8-11	6-9-12	8-12-16	9-14-18	11-16-21
	3-Way	4-6-8	5-8-10	6-9-12	8-12-16	9-14-18	10-15-20	12-18-24
	2-Way	5-8-11	6-9-12	8-12-16	10-15-20	12-18-24	14-21-28	15-23-31
	1-Way	6-9-12	8-12-16	10-15-20	12-18-24	14-21-28	16-24-32	19-28-38
12" Diameter	Pt	.025	.045	.069	.100	.137	.179	.279
	CFM	235	315	390	470	550	630	785
	NC	22	27	33	38	42	46	52
Throw, Feet	4-Way	3-5-7	5-8-11	6-9-12	8-12-16	9-14-18	10-15-20	12-18-24
	3-Way	4-5-8	6-9-12	8-12-16	10-15-20	10-15-20	12-18-24	14-21-28
	2-Way	6-9-12	8-12-16	10-15-20	12-18-24	14-21-28	16-24-32	18-27-36
	1-Way	8-12-16	10-15-20	12-18-24	14-21-28	16-24-32	18-27-36	22-33-44
14" Diameter	Pt	.030	.053	.084	.120	.165	.198	.335
	CFM	320	425	535	640	750	955	1070
	NC	27	32	37	42	46	50	57
Throw, Feet	4-Way	5-8-11	6-9-12	8-12-16	9-14-18	10-15-20	12-18-24	14-21-28
	3-Way	6-9-12	7-10-13	10-15-20	10-15-20	12-18-24	14-21-28	16-24-32
	2-Way	7-10-13	9-14-18	12-18-24	14-21-28	16-24-32	18-27-36	20-30-40
	1-Way	8-12-16	11-16-21	14-21-28	16-24-32	18-27-36	22-33-44	25-37-49
16" Diameter	Pt	.029	.051	.080	.115	.156	.204	.320
	CFM	420	560	700	835	975	1115	1395
	NC	23	29	35	41	45	50	56
Throw, Feet	4-Way	7-10-13	8-12-16	9-14-18	10-15-20	11-16-21	14-21-28	16-24-32
	3-Way	8-12-16	9-14-18	11-16-21	13-20-26	14-21-28	15-23-31	20-30-40
	2-Way	9-14-18	10-15-20	13-20-26	15-23-31	17-25-33	19-28-38	24-36-48
	1-Way	10-15-20	12-18-24	15-23-31	17-25-33	19-28-38	23-34-45	26-39-52

Notes:

1. All pressures are in inches of water.
2. Throw values are for velocities of 150, 100, and 50 FPM.
3. NC values are based on a room absorption of 10db.
4. < = NC less than 20db.