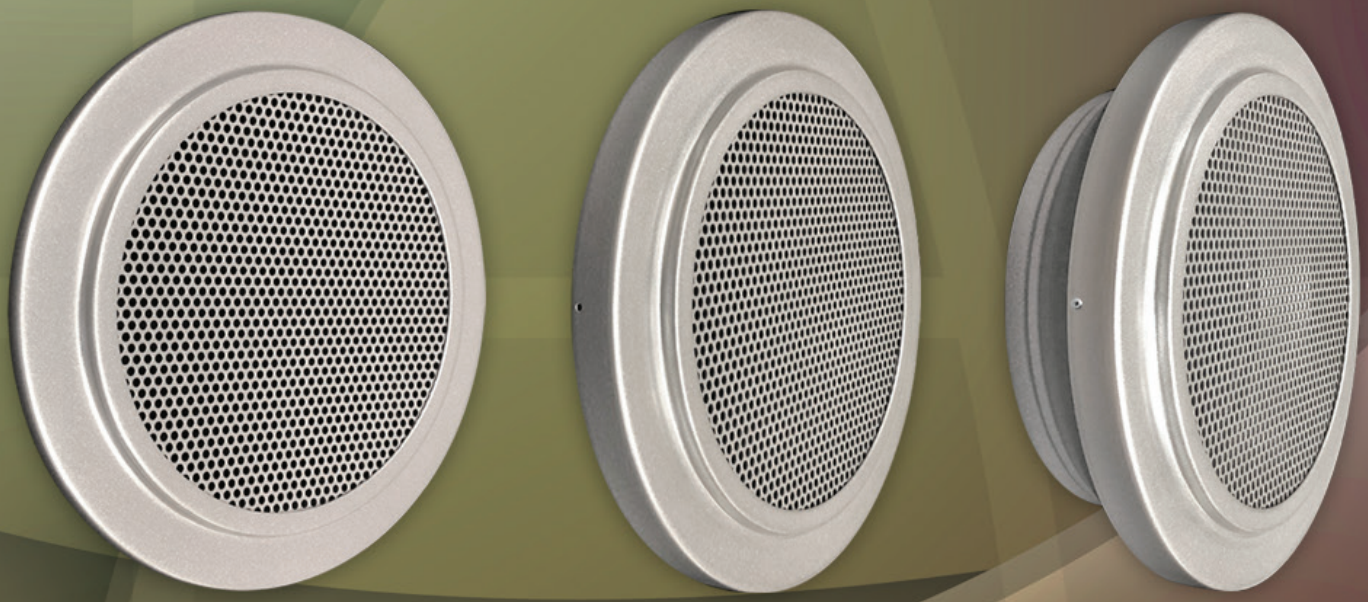
AirConcepts

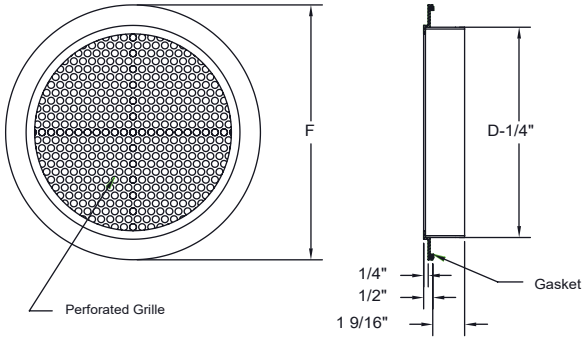
AIR DISTRIBUTION PRODUCTS



APG SERIES

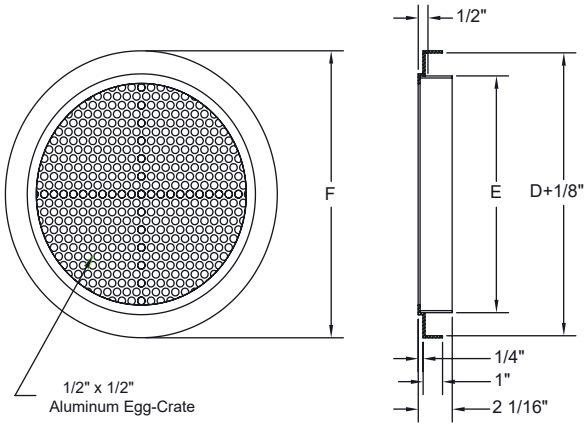
APG

APG
Wall/Ceiling Mount



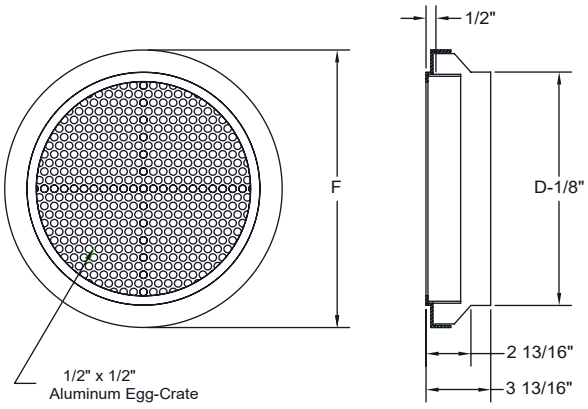
MODEL	D	F
APG-06	6	8-1/4
APG-08	8	10-1/4
APG-10	10	12-1/4
APG-12	12	14-1/4
APG-14	14	16-1/4
APG-16	16	18-1/4
APG-18	18	20-1/4
APG-20	20	22-1/4
APG-22	22	24-1/4
APL-24	24	26-1/4

APG-RD
Exposed Round Duct



MODEL	D	E	F
APG-06-RD	8	6	8-1/4
APG-08-RD	10	8	10-1/4
APG-10-RD	12	10	12-1/4
APG-12-RD	14	12	14-1/4
APG-14-RD	16	14	16-1/4
APG-16-RD	18	16	18-1/4
APG-18-RD	20	18	20-1/4
APG-20-RD	22	20	22-1/4
APG-22-RD	24	22	24-1/4
APG-24-RD	26	24	26-1/4

APG-RR
Exposed Round Duct



MODEL	D	E	F
APG-06-RR	6	6	8-1/4
APG-08-RR	8	8	10-1/4
APG-10-RR	10	10	12-1/4
APG-12-RR	12	12	14-1/4
APG-14-RR	14	14	16-1/4
APG-16-RR	16	16	18-1/4
APG-18-RR	18	18	20-1/4
APG-20-RR	20	20	22-1/4
APG-22-RR	22	22	24-1/4
APG-24-RR	24	24	26-1/4

Standard Construction

Heavy gauge aluminum

Finishes

#00 Mill
#10 Clear Anodized
#12 Anodized powder coat
#42 Gloss black powder coat
#43 Flat black powder coat
#62 Grey prime powder coat
#72 Silver metallic powder coat
Custom colors available

Extract Air Flow Data

Model Size	Opening Size Diameter "D"	Opening Area	Opening Velocity Static Pressure	400 -0.05	500 -0.08	600 -0.12	700 -0.16	800 -0.21	1000 -0.32	1200 -0.48
06	6	0.196	CFM	79	98	118	137	157	196	236
			NC	•	•	•	23	26	32	38
08	8	0.349	CFM	140	175	209	244	279	349	419
			NC	•	•	20	25	28	34	40
10	10	0.545	CFM	218	273	327	382	436	545	655
			NC	•	•	23	27	30	36	42
12	12	0.786	CFM	314	393	471	550	628	786	943
			NC	•	•	24	29	32	38	44
14	14	1.069	CFM	428	535	641	748	855	1069	1283
			NC	•	20	25	30	33	39	45
16	16	1.396	CFM	559	698	838	978	1117	1396	1676
			NC	•	21	26	31	34	40	46
18	18	1.767	CFM	707	884	1060	1237	1414	1767	2120
			NC	•	22	27	32	35	41	47
20	20	2.181	CFM	872	1091	1309	1527	1745	2181	2617
			NC	•	23	28	33	36	42	48
22	22	2.639	CFM	1056	1320	1583	1847	2111	2639	3167
			NC	•	24	29	34	37	43	49
24	24	3.141	CFM	1256	1571	1885	2199	2513	3141	3769
			NC	20	25	30	35	38	44	50

Performance data based on ASHRAE 70-06

Supply Air Flow Data

Model Size	Opening Size Diameter "D"	Opening Area	Opening Velocity Static Pressure	400 0.06	500 0.09	600 0.13	700 0.17	800 0.22	1000 0.35	1200 0.50
06	6	0.196	CFM	79	98	118	137	157	196	236
			NC	•	•	•	•	20	27	32
			Projection	4-9-13	5-11-16	6-13-18	8-15-20	9-16-23	10-18-26	12-21-29
08	8	0.349	CFM	140	175	209	244	279	349	419
			NC	•	•	•	•	22	29	34
			Projection	5-11-19	7-13-21	8-15-24	10-19-26	11-22-30	14-25-34	16-28-38
10	10	0.545	CFM	218	273	327	382	436	545	655
			NC	•	•	•	20	24	31	36
			Projection	6-12-22	9-16-29	11-20-32	12-24-35	13-27-38	17-31-43	20-34-48
12	12	0.786	CFM	314	393	471	550	628	786	943
			NC	•	•	•	22	26	33	37
			Projection	7-14-28	10-19-33	12-24-36	14-27-39	18-31-45	20-34-48	24-40-55
14	14	1.069	CFM	428	535	641	748	855	1069	1283
			NC	•	•	•	24	28	34	39
			Projection	8-17-33	12-22-37	15-28-44	16-32-48	18-37-56	23-42-60	28-45-62
16	16	1.396	CFM	559	698	838	978	1117	1396	1676
			NC	•	•	20	25	29	35	40
			Projection	9-20-38	14-28-46	17-32-52	20-37-58	23-40-62	27-45-65	30-50-70
18	18	1.767	CFM	707	884	1060	1237	1414	1767	2120
			NC	•	•	21	26	30	36	41
			Projection	11-22-42	16-32-52	19-35-57	22-41-64	25-43-67	29-48-69	32-53-74
20	20	2.181	CFM	872	1091	1309	1527	1745	2181	2617
			NC	•	•	22	27	31	37	42
			Projection	12-24-46	17-34-55	20-37-60	23-43-67	26-49-76	30-50-72	33-55-77
22	22	2.639	CFM	1056	1320	1583	1847	2111	2639	3167
			NC	•	•	23	28	32	38	43
			Projection	13-26-50	18-36-58	21-39-63	24-45-70	27-51-79	31-52-75	34-57-80
24	24	3.141	CFM	1256	1571	1885	2199	2513	3141	3769
			NC	•	•	24	29	33	39	44
			Projection	14-28-54	19-38-61	22-41-66	25-47-73	28-53-82	32-54-78	35-59-83

Performance data based on ASHRAE 70-06

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100fpm and 50 fpm respectively.

Airflow CFM: Standard air density and isothermal conditions.

Static Pressure: Inches of water gauge required.

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attnuation of 10db and based on Sound Power Level Re: 10-12 watts.