

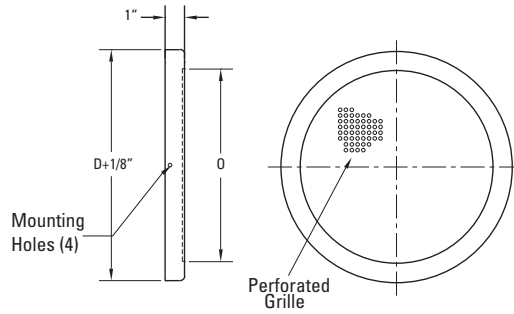
AIRCONCEPTS

AIR DISTRIBUTION PRODUCTS



RPG SERIES

RPG-RD Exposed Round Duct

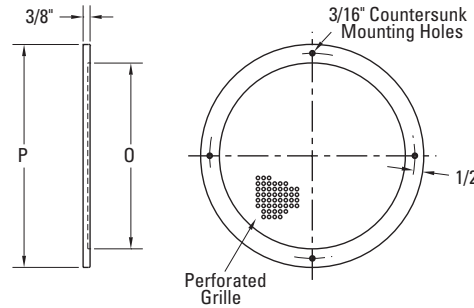


RPG-RD Dimensions in Inches

MODEL	OPENING SIZE DIAMETER "O"	DUCT SIZE DIAMETER "D"
RPG-04-RD	4	6
RPG-05-RD	5	6
RPG-06-RD	6	8
RPG-08-RD	8	10
RPG-10-RD	10	12
RPG-12-RD	12	14
RPG-14-RD	14	16
RPG-16-RD	16	18

*Custom sizes available

RPG-RP Wall/Ceiling Mount

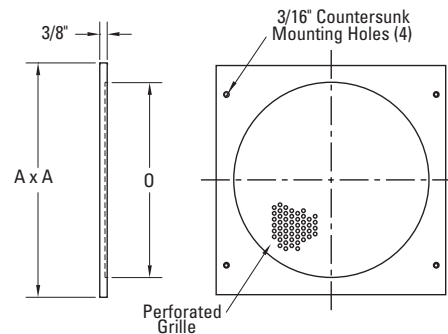


RPG-RP Dimensions in Inches

MODEL	OPENING SIZE DIAMETER "O"	DUCT SIZE DIAMETER "D"	PANEL SIZE DIAMETER "P"
RPG-04-RP	4	4	6
RPG-05-RP	5	5	8
RPG-06-RP	6	6	8
RPG-08-RP	8	8	10
RPG-10-RP	10	10	12
RPG-12-RP	12	12	14
RPG-14-RP	14	14	16
RPG-16-RP	16	16	18

*Custom sizes available

RPG-SP Wall/Ceiling Mount



RPG-SP Dimensions in Inches

MODEL	OPENING SIZE DIAMETER "O"	DUCT SIZE "D" x "D"	PANEL SIZE "A" x "A"
RPG-04-SP	4	4x4	6x6
RPG-05-SP	5	5x5	8x8
RPG-06-SP	6	6x6	8x8
RPG-08-SP	8	8x8	10x10
RPG-10-SP	10	10x10	12x12
RPG-12-SP	12	12x12	14x14
RPG-14-SP	14	14x14	16x16
RPG-16-SP	16	16x16	18x18

*Custom sizes available

Standard Construction

Heavy gauge steel construction
Also available in aluminum
or stainless steel
Contact factory for details

Finishes

Standard: #52 White powder coat
Optional standard: #00 Mill (Alum)
#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 "O"	Duct Velocity Static Pressure	400 -0.05	500 -0.08	600 -0.12	700 -0.16	800 -0.21	1000 -0.32	1200 -0.48
04	4	CFM	35	44	52	61	70	87	105
		NC	•	•	•	•	22	28	34
05	5	CFM	55	68	82	95	109	136	164
		NC	•	•	•	21	24	30	36
06	6	CFM	79	98	118	137	157	196	236
		NC	•	•	•	23	26	32	38
08	8	CFM	140	175	209	244	279	349	419
		NC	•	•	20	25	28	34	40
10	10	CFM	218	273	327	382	436	545	655
		NC	•	•	23	27	30	36	42
12	12	CFM	314	393	471	550	628	786	943
		NC	•	•	24	29	32	38	44
14	14	CFM	428	535	641	748	855	1069	1283
		NC	•	20	25	30	33	39	45
16	16	CFM	559	698	838	978	1117	1396	1676
		NC	•	21	26	31	34	40	46

Performance data based on ASHRAE 70-06

Supply Air Flow Data

Model Size	Opening Size Diameter "O"	Duct Velocity Static Pressure	400 0.06	500 0.09	600 0.13	700 0.17	800 0.22	1000 0.35	1200 0.5
04	4	CFM	35	44	52	61	70	87	105
		NC	•	•	•	•	•	23	28
		Projection	2-4-8	3-6-10	4-8-13	4-10-14	5-11-16	7-12-16	8-13-19
05	5	CFM	55	68	82	95	109	136	164
		NC	•	•	•	•	•	25	30
		Projection	3-6-11	4-9-14	5-10-15	6-12-17	7-14-19	8-15-21	10-17-24
06	6	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	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	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	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	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	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

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.

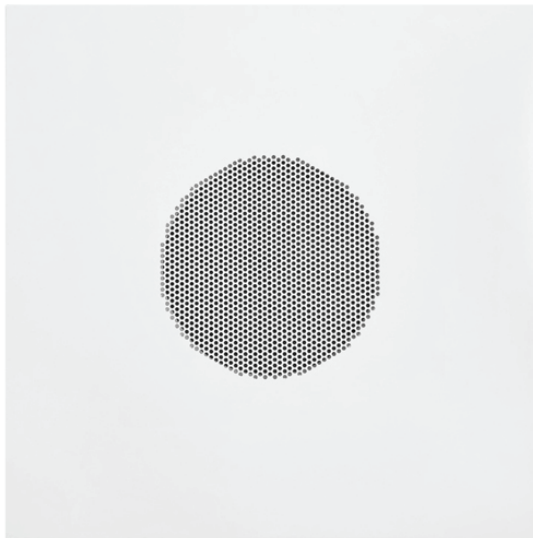
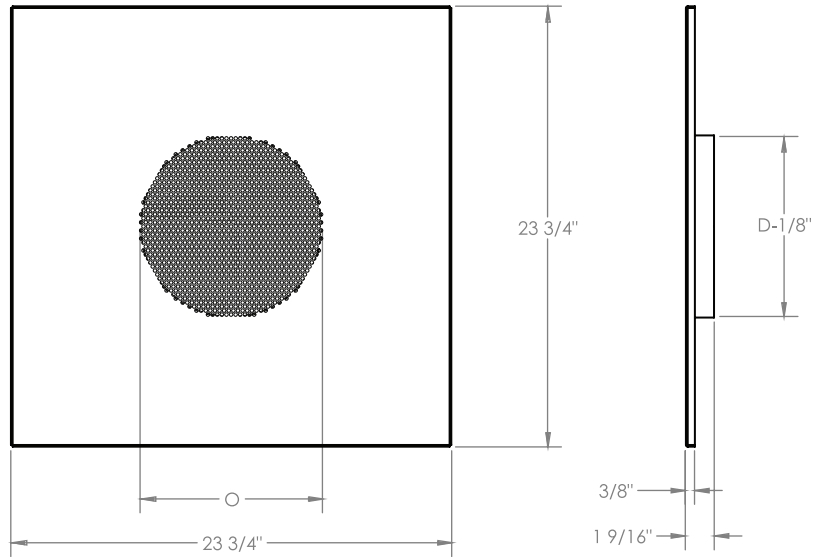
Airflow CFM: Standard air density and isothermal conditions.

Static Pressure: Inches of water gauge required.

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

RPG-LI

Lay In Panel



Plaque Diffuser Dimensions in Inches

MODEL	D	O
RPG-06-LI	6	6
RPG-08-LI	8	8
RPG-10-LI	10	10
RPG-12-LI	12	12
RPG-14-LI	14	14
RPG-16-LI	16	16
RPG-18-LI	18	18
RPG-20-LI	20	20

Standard Construction

Heavy gauge aluminum construction
 Also available in steel
 or stainless steel
 Contact factory for details

Finishes

Standard: #52 White powder coat
 Optional standard: #00 Mill (Alum)
 #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