



AIRCONCEPTS

AIR DISTRIBUTION PRODUCTS

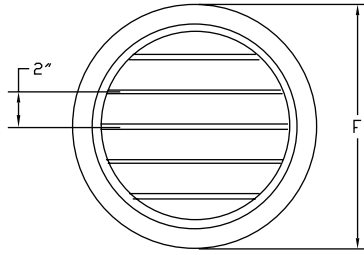


RSDW SERIES

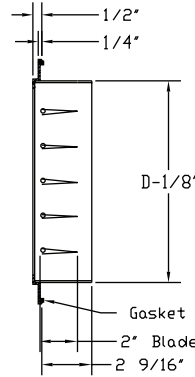
RSDW

RSDW

Wall/Ceiling Mount



*Concealed mounting system
*Optional flex duct collar available up to 18"
(Contact factory for larger sizes)

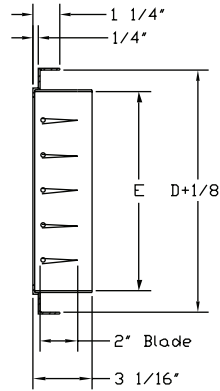
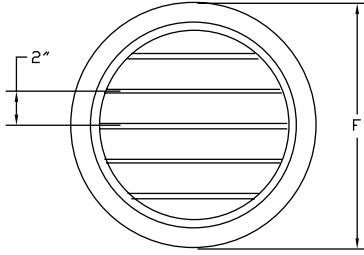


RSDW Dimensions in Inches

MODEL	SIZE	D	F
RSDW-08	8	8	10 ¹ / ₄
RSDW-10	10	10	12 ¹ / ₄
RSDW-12	12	12	14 ¹ / ₄
RSDW-14	14	14	16 ¹ / ₄
RSDW-16	16	16	18 ¹ / ₄
RSDW-18	18	18	20 ¹ / ₄
RSDW-20	20	20	22 ¹ / ₄
RSDW-22	22	22	24 ¹ / ₄
RSDW-24	24	24	26 ¹ / ₄
RSDW-30	30	30	30 ¹ / ₄

RSDW-RD

Exposed Round Duct

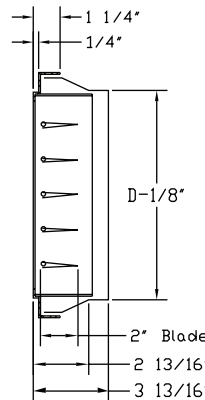
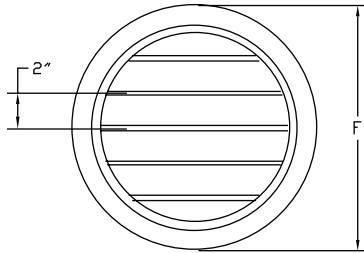


RSDW-RD Dimensions in Inches

MODEL	SIZE	D	E	F
RSDW-08-RD	8	10	8	10 ¹ / ₄
RSDW-10-RD	10	12	10	12 ¹ / ₄
RSDW-12-RD	12	14	12	14 ¹ / ₄
RSDW-14-RD	14	16	14	16 ¹ / ₄
RSDW-16-RD	16	18	16	18 ¹ / ₄
RSDW-18-RD	18	20	18	20 ¹ / ₄
RSDW-20-RD	20	22	20	22 ¹ / ₄
RSDW-22-RD	22	24	22	24 ¹ / ₄
RSDW-24-RD	24	26	24	26 ¹ / ₄
RSDW-30-RD	30	32	30	32 ¹ / ₄

RSDW-RR

Exposed Round Duct



RSDW-RR Dimensions in Inches

MODEL	SIZE	D	F
RSDW-08-RR	8	8	10 ¹ / ₄
RSDW-10-RR	10	10	12 ¹ / ₄
RSDW-12-RR	12	12	14 ¹ / ₄
RSDW-14-RR	14	14	16 ¹ / ₄
RSDW-16-RR	16	16	18 ¹ / ₄
RSDW-18-RR	18	18	20 ¹ / ₄
RSDW-20-RR	20	20	22 ¹ / ₄
RSDW-22-RR	22	22	24 ¹ / ₄
RSDW-24-RR	24	24	26 ¹ / ₄

High Velocity Air Outlet

Single deflection design
Adjustable air pattern
Long air throws
Wide dispersion patterns

Construction

Heavy gauge aluminum
2" Extruded blades, 2" spacing

Finishes

Standard: #52 White powder coat
Optional standard: #00 Mill
#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

MODEL	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
RSDW-08	CFM	140	209	279	349	419	489	559
	Static Pressure	0.014	0.034	0.060	0.094	0.135	0.184	0.239
	NC	<15	<15	<15	20	26	32	37
	Projection	5-10-20	8-16-27	11-21-32	14-25-36	17-28-39	20-30-41	21-32-45
RSDW-10	CFM	218	327	436	545	655	764	873
	Static Pressure	0.013	0.029	0.053	0.083	0.118	0.162	0.210
	NC	<15	<15	<15	19	25	31	35
	Projection	6-12-24	9-17-32	14-26-37	17-31-45	21-34-47	25-37-52	29-40-56
RSDW-12	CFM	314	471	628	786	943	1100	1257
	Static Pressure	0.013	0.028	0.048	0.076	0.108	0.148	0.192
	NC	<15	<15	<15	18	24	30	34
	Projection	7-15-30	12-24-40	16-33-47	20-37-53	25-41-59	29-45-65	33-48-74
RSDW-14	CFM	428	641	855	1069	1283	1497	1711
	Static Pressure	0.012	0.026	0.045	0.069	0.103	0.139	0.181
	NC	<15	<15	<15	18	24	30	34
	Projection	8-18-37	14-28-47	18-38-55	23-44-61	30-48-70	34-52-74	38-56-83
RSDW-16	CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.012	0.024	0.043	0.068	0.097	0.132	0.172
	NC	<15	<15	<15	18	24	30	34
	Projection	10-20-40	15-30-53	22-44-65	28-50-72	34-54-80	40-60-85	45-64-90
RSDW-18	CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.011	0.024	0.041	0.065	0.094	0.128	0.166
	NC	<15	<15	<15	19	25	31	35
	Projection	11-22-44	18-36-61	25-50-72	31-57-80	40-63-89	45-67-95	50-71-101
RSDW-20	CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.011	0.023	0.040	0.063	0.091	0.123	0.159
	NC	<15	<15	<15	19	25	31	35
	Projection	12-24-49	20-40-68	27-53-80	35-63-89	44-68-99	51-74-105	56-78-112
RSDW-22	CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.010	0.022	0.039	0.061	0.087	0.120	0.156
	NC	<15	<15	<15	20	26	32	36
	Projection	13-27-54	22-44-74	30-57-85	37-68-98	47-76-110	57-85-120	60-87-123
RSDW-24	CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.010	0.022	0.038	0.061	0.086	0.117	0.153
	NC	<15	<15	<15	21	28	33	37
	Projection	14-29-60	24-48-81	33-66-95	41-75-106	50-84-116	58-88-124	66-95-130
RSDW-30	CFM	1960	2940	3920	4900	5880	6860	7840
	Static Pressure	0.009	0.023	0.039	0.067	0.096	0.126	0.155
	NC	<15	<15	<15	20	26	31	36
	Projection	17-34-69	30-60-102	41-82-123	50-90-129	60-101-141	69-107-150	78-116-157

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.

performance values for various deflection angles

Deflection Angle	0°	10°	20°	30°	40°
Total Pressure [times]	1.0	1.2	1.4	1.9	2.4
Throw Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria – NC [add]	+0	+3	+7	+11	+16