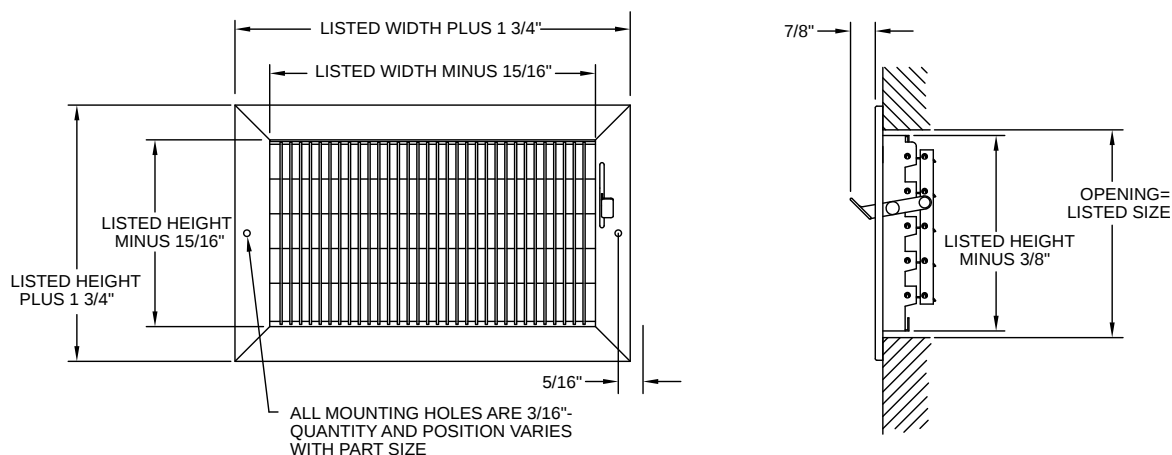


Series RVML Sidewall/Ceiling Supply Diffuser

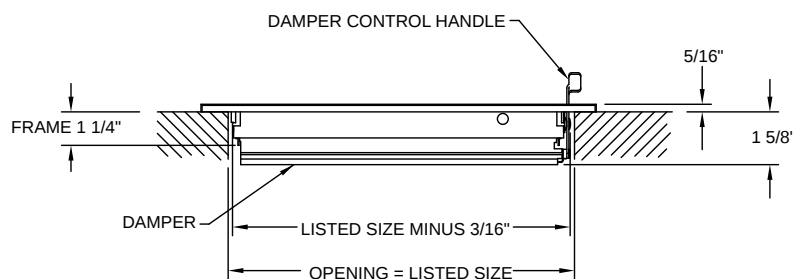
- ☐ Adjustable, vertical, roll-form face bars
- ☐ $\frac{3}{4}$ " bar spacing for easy adjustment
- ☐ Single deflection
- ☐ Multi-shutter damper
- ☐ Steel construction
- ☐ White finish
- ☐ Made in the U.S.A.



Dimensional Drawings



DAMPERS SHOWN OPEN, ALL VIEWS



Appearance Note

Any models with a dimension larger than 16" require two or more damper boxes and associated reinforcement face bars.

Performance Data, Series RVML

Unit Size	Overall Size	Face Velocity	300	400	500	600	700	800	900	1000
		Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062
6 x 4 Ak .090	7-3/4 x 5-3/4	Cfm	27	36	45	54	63	72	81	90
		Throw	3	4	5	7	8	9	10	11
6 x 6 Ak .139	7-3/4 x 7-3/4	Cfm	42	56	69	83	97	111	125	139
		Throw	5	6	7	9	10	12	13	15
8 x 4 Ak .118	9-3/4 x 5-3/4	Cfm	35	47	59	71	83	94	106	118
		Throw	4	5	7	8	9	11	12	13
8 x 6 Ak .188	9-3/4 x 7-3/4	Cfm	56	75	94	113	131	150	169	188
		Throw	5	7	8	10	12	14	15	17
8 x 8 Ak .257	9-3/4 x 9-3/4	Cfm	77	103	128	154	180	206	231	257
		Throw	6	7	9	11	13	15	17	19

Performance Data, Series RVML (continued)

Unit Size	Overall Size	Face Velocity	300	400	500	600	700	800	900	1000
		Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062
10 x 4 Ak .146	11-3/4 x 5-3/4	Cfm	44	58	73	88	102	117	131	146
		Throw	5	6	8	9	11	12	13	14
10 x 5 Ak .194	11-3/4 x 6-3/4	Cfm	58	78	97	117	136	156	175	194
		Throw	5	7	8	10	12	13	15	16
10 x 6 Ak .236	11-3/4 x 7-3/4	Cfm	71	94	118	142	165	189	213	236
		Throw	6	8	9	11	13	15	17	19
10 x 8 Ak .326	11-3/4 x 9-3/4	Cfm	98	131	163	196	228	261	294	326
		Throw	7	8	10	12	14	16	17	21
10 x 10 Ak .417	11-3/4 x 11-3/4	Cfm	125	167	208	250	292	333	375	417
		Throw	7	9	12	14	16	18	20	23
12 x 4 Ak .181	13-3/4 x 5-3/4	Cfm	54	72	90	108	126	144	163	181
		Throw	5	7	8	10	12	14	15	17
12 x 5 Ak .229	13-3/4 x 6-3/4	Cfm	69	92	115	138	160	183	206	229
		Throw	6	7	9	11	13	15	17	19
12 x 6 Ak .285	13-3/4 x 7-3/4	Cfm	85	114	142	171	199	228	256	285
		Throw	7	8	10	12	15	17	19	21
12 x 8 Ak .389	13-3/4 x 9-3/4	Cfm	117	156	194	233	272	311	350	389
		Throw	7	9	11	13	18	17	19	22
12 x 10 Ak .500	13-3/4 x 11-3/4	Cfm	150	200	250	300	350	400	450	500
		Throw	8	11	13	16	19	22	25	28
12 x 12 Ak .611	13-3/4 x 13-3/4	Cfm	183	244	306	367	428	489	550	611
		Throw	9	11	14	17	20	22	25	29
14 x 4 Ak .208	15-3/4 x 5-3/4	Cfm	63	83	104	125	146	167	188	208
		Throw	5	7	9	11	13	15	17	18
14 x 6 Ak .313	15-3/4 x 7-3/4	Cfm	94	125	156	188	219	250	281	313
		Throw	7	8	11	13	16	18	20	23
14 x 8 Ak .458	15-3/4 x 9-3/4	Cfm	138	183	229	275	321	367	413	458
		Throw	8	9	12	14	17	19	21	24
14 x 10 Ak .583	15-3/4 x 11-3/4	Cfm	175	233	292	350	408	467	525	583
		Throw	9	11	13	16	19	22	25	28
14 x 12 Ak .715	15-3/4 x 13-3/4	Cfm	215	286	358	429	501	572	644	715
		Throw	9	12	14	18	22	24	27	31
14 x 14 Ak .840	15-3/4 x 15-3/4	Cfm	252	336	420	504	588	672	756	840
		Throw	9	15	19	23	27	31	34	38
16 x 4 Ak .229	17-3/4 x 5-3/4	Cfm	69	92	115	138	160	183	206	229
		Throw	7	10	12	15	17	20	22	25
16 x 6 Ak .368	17-3/4 x 7-3/4	Cfm	110	147	184	221	258	294	331	368
		Throw	7	10	12	15	17	20	22	25
16 x 8 Ak .500	17-3/4 x 9-3/4	Cfm	150	200	250	300	350	400	450	500
		Throw	8	10	13	15	18	20	22	25
16 x 10 Ak .639	17-3/4 x 11-3/4	Cfm	192	256	319	383	447	511	575	639
		Throw	7	10	12	15	17	20	22	25

NC ≤30
 NC 35

Terminal velocity is 75 fpm.

Performance Data, Series RVML (continued)

Unit Size	Overall Size	Face Velocity	300	400	500	600	700	800	900	1000
		Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062
16 x 12 Ak .778	17-3/4 x 13-3/4	Cfm	233	311	389	467	544	622	700	778
		Throw	7	10	12	15	17	20	22	25
16 x 16 Ak .986	17-3/4 x 17-3/4	Cfm	296	394	493	592	690	789	888	986
		Throw	12	15	20	23	28	31	33	39
18 x 4 Ak .257	19-3/4 x 5-3/4	Cfm	77	103	128	154	180	206	231	257
		Throw	7	10	12	15	17	20	22	25
18 x 6 Ak .417	19-3/4 x 7-3/4	Cfm	125	167	208	250	292	333	375	417
		Throw	8	11	13	16	19	22	24	27
18 x 8 Ak .589	19-3/4 x 9-3/4	Cfm	171	228	285	342	399	456	513	569
		Throw	9	11	13	16	19	22	25	28
18 x 10 Ak .722	19-3/4 x 11-3/4	Cfm	217	289	361	433	506	578	650	722
		Throw	7	10	12	15	17	20	22	25
18 x 12 Ak .822	19-3/4 x 13-3/4	Cfm	265	353	441	529	617	706	794	882
		Throw	7	10	12	15	17	20	22	25
18 x 16 Ak 1.111	19-3/4 x 17-3/4	Cfm	333	444	556	667	778	889	1000	1111
		Throw	7	10	12	15	17	20	22	25
18 x 18 Ak 1.271	19-3/4 x 19-3/4	Cfm	381	508	635	763	890	1017	1144	1271
		Throw	7	10	12	15	17	20	22	25
20 x 4 Ak .292	21-3/4 x 5-3/4	Cfm	88	117	146	175	204	233	263	292
		Throw	7	10	12	15	17	20	22	25
20 x 6 Ak .465	21-3/4 x 7-3/4	Cfm	140	186	233	279	326	372	419	465
		Throw	8	11	14	16	20	23	25	28
20 x 8 Ak .639	21-3/4 x 9-3/4	Cfm	192	256	319	383	447	511	575	639
		Throw	9	12	15	18	21	23	26	29
20 x 10 Ak .813	21-3/4 x 11-3/4	Cfm	244	325	406	488	569	650	731	813
		Throw	7	10	12	15	17	20	22	25
20 x 12 Ak .986	21-3/4 x 13-3/4	Cfm	296	394	493	592	690	789	888	986
		Throw	7	10	12	15	17	20	22	25
20 x 14 Ak 1.115	21-3/4 x 15-3/4	Cfm	348	464	580	696	812	928	1044	1160
		Throw	7	10	12	15	17	20	22	25
20 x 16 Ak 1.243	21-3/4 x 17-3/4	Cfm	373	497	622	746	870	994	1119	1243
		Throw	7	10	12	15	17	20	22	25
20 x 18 Ak 1.417	21-3/4 x 19-3/4	Cfm	425	567	708	850	992	1133	1275	1417
		Throw	7	10	12	15	17	20	22	25
20 x 20 Ak 1.597	21-3/4 x 21-3/4	Cfm	479	639	799	958	1118	1278	1438	1597
		Throw	7	10	12	15	17	20	22	25
24 x 4 Ak .347	25-3/4 x 5-3/4	Cfm	104	139	174	208	243	278	313	347
		Throw	7	10	12	15	17	20	22	25
24 x 6 Ak .563	25-3/4 x 7-3/4	Cfm	169	225	281	338	394	450	506	563
		Throw	9	12	15	18	21	23	26	29
24 x 8 Ak .771	25-3/4 x 9-3/4	Cfm	231	308	385	463	540	617	694	771
		Throw	10	13	17	19	23	25	28	31

NC ≤30
 NC 35

Commercial
Sidewall or Ceiling

Performance Data, Series RVML (continued)

Unit Size	Overall Size	Face Velocity	300	400	500	600	700	800	900	1000
		Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062
24 x 10 Ak .979	25-3/4 x 11-3/4	Cfm	294	392	490	588	685	783	881	979
		Throw	7	10	12	15	17	20	22	25
24 x 12 Ak 1.194	25-3/4 x 13-3/4	Cfm	358	478	597	717	836	956	1075	1194
		Throw	7	10	12	15	17	20	22	25
24 x 14 Ak 1.403	25-3/4 x 15-3/4	Cfm	421	561	701	842	982	1122	1263	1403
		Throw	7	10	12	15	17	20	22	25
24 x 16 Ak 1.507	25-3/4 x 17-3/4	Cfm	452	603	753	904	1055	1206	1356	1507
		Throw	7	10	12	15	17	20	22	25
24 x 18 Ak 1.722	25-3/4 x 19-3/4	Cfm	517	689	861	1033	1206	1378	1550	1722
		Throw	7	10	12	15	17	20	22	25
24 x 24 Ak 2.354	25-3/4 x 25-3/4	Cfm	706	942	1177	1413	1648	1883	2119	2354
		Throw	7	10	12	15	17	20	22	25
30 x 6 Ak .708	31-3/4 x 7-3/4	Cfm	213	283	354	425	496	567	638	708
		Throw	9	15	19	23	27	31	34	38
30 x 8 AK .972	31-3/4 x 9-3/4	Cfm	292	389	486	583	681	778	875	972
		Throw	12	15	20	23	28	31	33	39
30 x 10 Ak 1.236	31-3/4 x 11-3/4	Cfm	371	494	618	742	865	989	1113	1236
		Throw	7	10	12	15	17	20	22	25
30 x 12 Ak 1.500	31-3/4 x 12-3/4	Cfm	450	600	750	900	1050	1200	1350	1500
		Throw	7	10	12	15	17	20	22	25
30 x 14 Ak 1.771	31-3/4 x 15-3/4	Cfm	531	708	885	1063	1240	1417	1594	1771
		Throw	7	10	12	15	17	20	22	25
30 x 16 Ak 1.903	31-3/4 x 17-3/4	Cfm	571	761	951	1142	1332	1522	1713	1903
		Throw	7	10	12	15	17	20	22	25
30 x 18 AK 2.167	31-3/4 x 19-3/4	Cfm	650	867	1083	1300	1517	1733	1950	2167
		Throw	7	10	12	15	17	20	22	25
36 x 6 Ak .854	37-3/4 x 7-3/4	Cfm	256	342	427	513	598	683	769	854
		Throw	7	10	12	15	17	20	22	25
36 x 10 Ak 1.493	37-3/4 x 11-3/4	Cfm	448	597	747	896	1045	1194	1344	1493
		Throw	7	10	12	15	17	20	22	25
36 x 12 Ak 1.813	37-3/4 x 13-3/4	Cfm	544	725	906	1088	1269	1450	1631	1813
		Throw	7	10	12	15	17	20	22	25
36 x 14 Ak 2.000	37-3/4 x 15-3/4	Cfm	600	800	1000	1200	1400	1600	1800	2000
		Throw	7	10	12	15	17	20	22	25

Terminal Velocity of 75 fpm

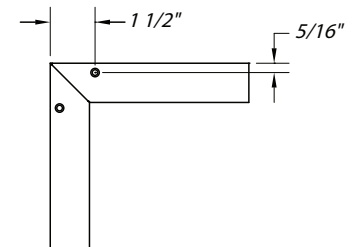
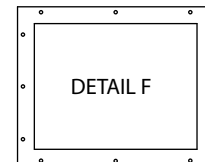
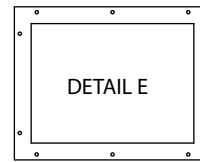
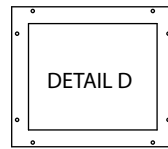
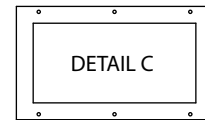
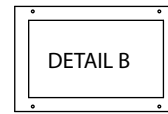
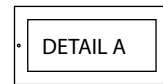
  NC ≤30  NC 35

Commercial
Sidewall or Ceiling

Mounting Hole Guide for Select Products

The following products in this section have embossed (recessed) mounting holes.

Series	Page #
RVML & AVM	122, 127
RHML & AHM	129, 131
RGV & ARGV	133
RGV-0 & ARVG-0	135
RGH & ARGH	137
RGH-0 & ARGH-0	139
HVG & AHVG	141
VHG & AVHG	143
FBG40 & AFBG40	145
FBG60 & AFBG60	147



The following chart and diagrams above apply to these products.

		Width																									
Height		6	8	10	12	14	15	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48		Height	
	4																										4
	6																										6
	8				A						B																8
	10				2 Holes						4 Holes										C						10
	12																				6 Holes						12
	14																										14
	15																										15
	16																										16
	18																										18
	20																										20
	22				B							D									E						22
	24				4 Holes							8 Holes									10 Holes						24
	26																										26
	28																										28
	30																										30
	32																										32
	34																										34
	36																										36
	38				C							E									F						38
	40				6 Holes							10 Holes									12 Holes						40
	42																										42
	44																										44
	46																										46
48																									48		
		6	8	10	12	14	15	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48			
		Width																									

Commercial
Sidewall or Ceiling