

AIRCONCEPTS

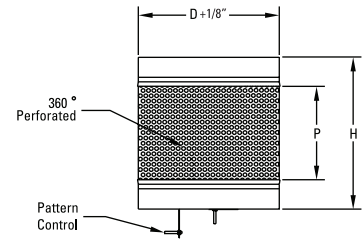
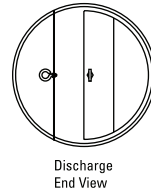
AIR DISTRIBUTION PRODUCTS



FVO SERIES

FVO-A/B

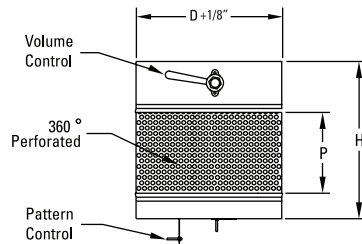
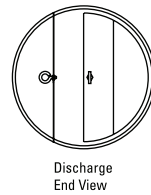
FVO-A



FVO-A Dimensions in Inches

MODEL	INLET D	DISCHARGE D	H	P	PERF. AREA(IN ²)	PERF. FREE AREA(IN ²)
FVO-06-A	6	6	9	4	70	28
FVO-08-A	8	8	11	5	125	50
FVO-10-A	10	10	12	6	200	79
FVO-12-A	12	12	14	8	290	115
FVO-14-A	14	14	15	9	390	155
FVO-16-A	16	16	16	10	500	202
FVO-18-A	18	18	17	11	640	255
FVO-20-A	20	20	19	13	820	325
FVO-22-A	22	22	20	14	970	385
FVO-24-A	24	24	21	15	1130	460

FVO-B



FVO-B Dimensions in Inches

MODEL	INLET D	DISCHARGE D	H	P	PERF. AREA(IN ²)	PERF. FREE AREA(IN ²)
FVO-06-B	6	6	11 1/2	4	70	28
FVO-08-B	8	8	13 1/2	5	125	50
FVO-10-B	10	10	14 1/2	6	200	79
FVO-12-B	12	12	15 1/2	8	290	115
FVO-14-B	14	14	17 1/2	9	390	155
FVO-16-B	16	16	18 1/2	10	500	202
FVO-18-B	18	18	19 1/2	11	640	255
FVO-20-B	20	20	21	13	820	325
FVO-22-B	22	22	23	14	970	385
FVO-24-B	24	24	25	15	1130	460

Adjustability

- Doors open - open jet, full velocity
- Doors partially closed - wider pattern, reduced velocity.
- Doors closed - wide angle hollow cone pattern, lowest velocity.

Construction

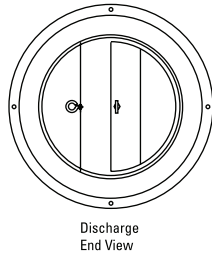
Heavy gauge steel

Finishes

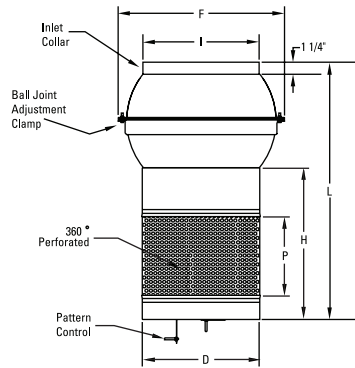
- Standard: #72 Silver metallic powder coat
- Optional standard:
 - #12 Anodized powder coat
 - #42 Gloss black powder coat
 - #43 Flat black powder coat
 - #52 White powder coat
 - #62 Grey prime powder coat
- Custom colors available

FVO-C/D

FVO-C



Discharge End View

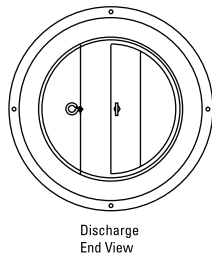


FVO-C Dimensions in Inches

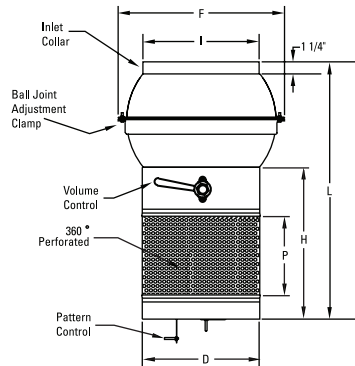
MODEL	INLET I	DISCHARGE D	F	L	H	P	PERF. AREA(IN ²)	PERF. FREE AREA(IN ²)
FVO-06-C	5 7/8	6	11 1/4	17 1/2	9	4	70	28
FVO-08-C	7 7/8	8	14	21 1/2	11	5	125	50
FVO-10-C	9 7/8	10	15 3/4	22	12	6	200	79
FVO-12-C	11 7/8	12	17	23 1/2	13	8	290	115
FVO-14-C	13 7/8	14	20 1/8	26 3/4	15	9	390	155
FVO-16-C	15 7/8	16	22	30 1/4	16 1/2	10	507	201



FVO-D



Discharge End View



FVO-D Dimensions in Inches

MODEL	INLET I	DISCHARGE D	F	L	H	P	PERF. AREA(IN ²)	PERF. FREE AREA(IN ²)
FVO-06-D	5 7/8	6	11 1/4	20	11 1/2	4	70	28
FVO-08-D	7 7/8	8	14	24	13 1/2	5	125	50
FVO-10-D	9 7/8	10	15 3/4	24 1/2	14 1/2	6	200	79
FVO-12-D	11 7/8	12	17	26	15 1/2	8	290	115
FVO-14-D	13 7/8	14	20 1/8	29 1/4	17 1/2	9	390	155
FVO-16-D	15 7/8	16	22	32 3/4	19	10	507	201



Adjustability

Doors open - open jet, full velocity
 Doors partially closed - wider pattern, reduced velocity.
 Doors closed - wide angle hollow cone pattern, lowest velocity.

Construction

Heavy gauge steel

Finishes

Standard: #72 Silver metallic powder coat
 Optional standard:
 #12 Anodized powder coat
 #42 Gloss black powder coat
 #43 Flat black powder coat
 #52 White powder coat
 #62 Grey prime powder coat
 Custom colors available

MODEL	Discharge Velocity	1000	1200	1400	1600	1800	2000
FVO-06	CFM	195	235	275	315	355	390
	Total Pressure	0.11	0.16	0.21	0.28	0.35	0.43
	NC	27	32	36	39	42	45
	Projection	5-12-21	7-14-23	8-17-24	10-18-26	11-20-28	12-21-29
FVO-08	CFM	350	420	490	560	630	700
	Total Pressure	0.11	0.15	0.21	0.27	0.34	0.42
	NC	30	34	38	41	44	47
	Projection	7-16-28	9-19-30	11-22-33	13-25-35	14-26-37	16-28-39
FVO-10	CFM	545	655	765	870	980	1090
	Total Pressure	0.10	0.15	0.20	0.26	0.33	0.41
	NC	32	36	40	43	46	49
	Projection	8-20-34	12-24-38	14-28-41	16-31-43	18-33-46	20-34-49
FVO-12	CFM	785	940	1100	1255	1415	1570
	Total Pressure	0.10	0.14	0.19	0.25	0.32	0.39
	NC	33	38	42	45	48	51
	Projection	10-24-41	14-29-45	17-34-49	19-37-52	22-39-55	24-41-58
FVO-14	CFM	1010	1210	1410	1615	1815	2015
	Total Pressure	0.10	0.14	0.19	0.24	0.31	0.38
	NC	34	39	43	46	49	52
	Projection	11-27-47	16-33-51	19-38-55	22-42-59	24-44-63	27-47-66
FVO-16	CFM	1395	1675	1955	2230	2510	2790
	Total Pressure	0.09	0.13	0.18	0.23	0.29	0.36
	NC	36	40	44	48	51	53
	Projection	13-32-55	19-38-60	22-45-65	26-49-70	29-52-74	32-55-78
FVO-18	CFM	1760	2110	2465	2815	3170	3520
	Total Pressure	0.09	0.13	0.17	0.23	0.28	0.35
	NC	37	41	45	49	52	54
	Projection	15-36-62	21-43-68	25-50-73	29-55-78	32-59-83	36-62-87
FVO-20	CFM	2182	2618	3055	3491	3928	4364
	Total Pressure	0.09	0.13	0.17	0.23	0.28	0.35
	NC	37	42	45	49	52	55
	Projection	19-38-64	22-44-70	25-51-75	27-55-80	32-62-88	36-65-94
FVO-22	CFM	2640	3168	3696	4224	4752	5280
	Total Pressure	0.09	0.12	0.17	0.22	0.28	0.34
	NC	38	43	47	51	54	56
	Projection	20-42-70	23-46-78	26-53-82	29-58-88	29-58-90	39-72-106
FVO-24	CFM	3132	3758	4385	5011	5638	6264
	Total Pressure	0.08	0.12	0.16	0.21	0.27	0.33
	NC	39	44	48	52	55	57
	Projection	22-44-75	25-50-88	28-56-95	33-62-100	38-76-108	40-80-112

Performance data based on ASHRAE 70-06

Airflow CFM: Standard air density and isothermal conditions.

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.

Total Pressure: Inches of water gauge required.

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

Duct Velocity: Duct discharge velocity in feet per minute [fpm].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the Duct Discharge [THROW] 400 fpm, 200 fpm, and 100 fpm respectively.