

AeroAcoustic[®] Silentflow[®] Louvers



Designed to provide the maximum noise reduction obtainable in short depth while still giving an effective combination of privacy and weather protection.

Silentflow louvers are for use in installations such as process air intakes, fresh air intakes for ventilation systems, mechanical equipment screens, cooling tower inlets, etc.

Constructed to meet architectural standards, Silentflow is available in two models in 54 sizes, providing a wide range of pressure-drop and acoustical-performance requirements.

ACOUSTIC PERFORMANCE

OBCF, KHz	.125	.25	.5	1	2	4	8
DIL—Model A	6	11	15	18	18	16	12
DIL—Model B	3	7	9	12	10	9	7

MATERIALS

- Outer Casings: 16 gage galvanized steel.
 Internals: 22 gage galvanized steel.
 Bird Screens: ½" mesh galvanized screen (insect screening available).
 Fill: Water resistant resin bonded fiberglass.

CONSTRUCTION

Top surfaces solid, bottom surfaces absorptive, water stops on upper surface.

SPECIFICATIONS

Silentflow® Louvers Flow Vs. ΔP

ΔP -" H_2O

Model A

Standard Sizes*	.025	.05	.075	.1 CFM	.15	.2	.3	.4	.5
24"x 12"	310	442	540	620	760	875	1,070	1,240	1,380
24"x 24"	620	884	1,080	1,240	1,520	1,750	2,150	2,480	2,760
24"x 36"	930	1,325	1,620	1,860	2,280	2,630	3,220	3,720	4,150
24"x 48"	1,240	1,770	2,160	2,480	3,040	3,570	4,300	4,960	5,530
24"x 60"	1,550	2,210	2,700	3,100	3,800	4,380	5,360	6,200	6,900
24"x 72"	1,860	2,630	3,240	3,720	4,550	5,260	6,450	7,440	8,300
24"x 84"	2,170	3,090	3,780	4,350	5,320	6,140	7,500	8,700	9,700
24"x 96"	2,480	3,530	4,330	4,960	6,070	7,000	8,400	9,900	11,000
24"x108"	2,890	3,970	4,860	5,580	6,840	7,900	9,650	11,200	12,450
24"x120"	3,100	4,410	5,400	6,200	7,600	8,780	11,750	12,400	13,800
36"x 12"	465	660	810	930	1,140	1,315	1,610	1,860	2,080
36"x 24"	930	1,320	1,620	1,860	2,280	2,630	3,220	3,720	4,160
36"x 36"	1,390	1,980	2,430	2,790	3,420	3,950	4,820	5,560	6,250
36"x 48"	1,860	2,640	3,240	3,720	4,560	5,260	6,420	7,440	8,350
36"x 60"	2,320	3,300	4,050	4,650	5,700	6,580	8,040	9,300	10,400
36"x 72"	2,790	3,960	4,850	5,570	6,840	7,900	9,650	11,200	12,500
36"x 84"	3,250	4,620	5,660	6,500	8,000	9,200	11,250	13,000	14,400
36"x 96"	3,720	5,280	6,470	7,430	9,120	10,500	12,900	14,900	16,700
36"x108"	4,180	5,950	7,300	8,360	10,300	11,850	14,500	16,700	18,700
36"x120"	4,650	6,600	8,100	9,300	11,400	13,150	16,100	18,600	20,800
48"x 12"	620	880	1,080	1,240	1,520	1,750	2,150	2,480	2,770
48"x 24"	1,240	1,760	2,160	2,480	3,040	3,500	4,300	4,960	5,540
48"x 36"	1,860	2,640	3,240	3,720	4,560	5,240	6,430	7,440	8,300
48"x 48"	2,480	3,520	4,320	4,960	6,080	7,000	8,600	9,900	11,100
48"x 60"	3,100	4,400	5,400	6,200	7,200	8,750	10,000	12,400	13,850
48"x 72"	3,720	5,280	6,480	7,450	9,100	10,500	12,900	14,900	16,600
48"x 84"	4,350	6,160	7,550	8,700	10,600	12,200	15,000	17,400	19,400
48"x 96"	4,960	7,040	8,640	9,900	12,200	14,000	17,200	19,800	22,200
48"x108"	5,580	7,930	9,700	11,200	13,700	15,700	19,300	22,300	24,900
48"x120"	6,200	8,800	10,800	12,400	15,200	17,500	21,500	24,800	27,700

*Larger sizes can be made from combinations of standard sizes.

Silentflow® Louvers Flow Vs. ΔP

ΔP -" H_2O

Model B

Standard Sizes*	.025	.05	.075	.1 CFM	.15	.2	.3	.4	.5
24"x 14"	420	595	730	840	1,030	1,190	1,450	1,680	1,880
24"x 28"	840	1,190	1,440	1,680	2,060	2,370	2,920	3,360	3,760
24"x 42"	1,260	1,780	2,180	2,520	3,080	3,570	4,370	5,040	5,640
24"x 56"	1,680	2,380	2,810	3,360	4,110	4,750	5,830	6,720	7,500
24"x 70"	2,100	2,970	3,640	4,200	5,150	5,950	7,300	8,400	9,400
24"x 84"	2,520	3,560	4,370	5,040	6,170	7,150	8,700	10,100	11,300
24"x 98"	2,900	4,100	5,100	5,800	7,100	8,200	10,100	11,600	13,000
24"x112"	3,350	4,750	5,820	6,700	8,200	9,500	11,600	13,400	15,000
36"x 14"	630	890	1,090	1,260	1,540	1,780	2,180	2,520	2,820
36"x 28"	1,260	1,790	2,180	2,520	3,080	3,570	4,370	5,040	5,640
36"x 42"	1,890	2,680	3,270	3,780	4,620	5,350	6,550	7,560	8,450
36"x 56"	2,520	3,570	4,360	5,040	6,150	7,150	8,720	10,100	11,300
36"x 70"	3,150	4,450	6,050	6,300	7,200	8,900	10,900	12,600	14,100
36"x 84"	3,770	5,350	6,550	7,550	9,220	10,700	13,100	15,100	16,900
36"x 98"	4,400	6,230	7,610	8,800	10,750	12,400	15,250	17,600	19,700
36"x112"	5,050	7,150	8,750	10,100	12,400	14,300	17,500	20,200	22,600
48"x 14"	840	1,190	1,450	1,680	2,050	2,370	2,910	3,360	3,760
48"x 28"	1,630	2,380	2,910	3,360	4,100	4,750	5,820	6,720	7,500
48"x 42"	2,520	3,560	4,350	5,040	6,150	7,130	8,710	10,100	11,300
48"x 56"	3,355	4,750	5,800	6,710	8,200	9,500	11,600	13,400	15,000
48"x 70"	4,200	5,950	7,280	8,400	10,250	11,900	14,500	16,800	18,800
48"x 84"	5,050	7,150	8,750	10,100	12,350	14,300	17,500	20,200	22,600
48"x 98"	5,880	8,320	10,200	11,750	14,350	16,700	20,400	23,500	26,300
48"x112"	6,700	9,500	11,600	13,400	16,400	19,000	23,200	26,800	30,000

*Larger Sizes can be made from combinations of standard sizes