

The SEMCO Model LF2500 low frequency sound silencers are specifically designed to solve noise problems in the lower frequency range and will provide excellent low band attenuation in low to medium velocity ranges with a moderate pressure drop.



INDEPENDENTLY CERTIFIED TEST DATA

Published data is derived from Independent Certified Testing conducted in accordance with ASTM E477. For testing purposes, specified lengths of straight duct are used both upstream and downstream of the silencer. Static pressure losses must therefore be adjusted when the unit is installed, at or near transitions, elbows, or at the intake or discharge of the system. Consult SEMCO for adjustment values. All data published herein was obtained from a 24" x 24" production run unit.

Dynamic Insertion Loss (dB)																				
Model	Length	Face Velocity	Cv	Press. Drop	Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)							
					1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
LF2503	36"	0	9.11	0	4	12	23	24	22	21	17	17	4	12	23	24	20	18	14	14
		500		.14	4	12	22	24	22	21	17	18	5	14	25	24	21	18	15	15
		1000		.57	2	13	22	23	23	21	18	17	6	14	25	25	22	19	16	17
		1500		1.28	5	12	21	23	23	23	18	18	4	15	25	25	23	19	15	15
		2000		2.27	2	11	20	23	23	23	18	17	5	17	26	25	24	19	14	13
LF2505	60"	0	9.95	0	9	17	32	30	30	31	26	24	9	17	32	28	27	29	24	21
		500		.16	9	16	31	31	30	31	27	25	8	17	34	29	26	29	23	21
		1000		.62	6	15	29	32	31	32	28	26	9	19	34	30	27	29	22	21
		1500		1.40	8	15	28	31	32	33	29	27	9	19	35	31	28	30	23	21
		2000		2.48	7	15	26	31	32	34	28	26	10	20	36	32	29	30	24	21
LF2507	84"	0	13.50	0	12	22	40	42	33	31	28	24	11	22	39	36	28	28	28	23
		500		.21	10	22	40	42	33	32	29	25	14	26	41	37	29	29	27	20
		1000		.84	9	23	40	43	34	32	30	28	13	27	41	38	30	30	26	19
		1500		1.89	9	22	38	43	33	32	29	26	15	28	44	39	32	31	25	20
		2000		3.37	7	21	37	43	34	33	30	26	14	29	45	40	34	31	23	16
LF2510	120"	0	16.90	0	15	32	48	49	40	37	35	29	17	30	48	48	42	39	38	30
		500		.26	15	31	49	50	40	37	35	29	17	33	48	48	42	40	38	28
		1000		1.06	13	32	49	50	41	38	36	32	18	33	49	49	43	40	36	26
		1500		2.37	13	30	47	51	42	40	36	31	20	34	50	51	44	40	32	23
		2000		4.21	5	28	40	47	39	35	31	31	19	35	46	49	41	35	31	21

Forward Airflow Performance applies when both noise and airflow are traveling in the same direction.

Reverse Airflow Performance applies when noise and airflow are traveling in opposite directions.

Pressure Drops for velocities not shown above can be calculated using the following formula:

$$P.D. = C_v \times H_v$$

where: P.D. = Pressure Drop

Cv = Silencer Flow Coefficient

$$H_v = (V/4005)^2$$

Hv = Velocity Pressure in Inches w.g.

V = Face velocity in Ft./Min.

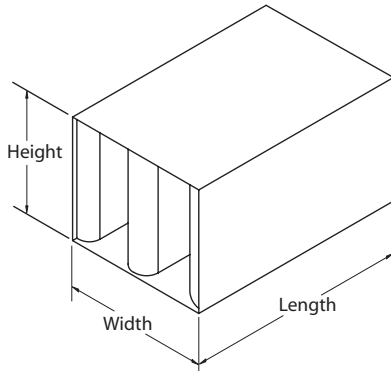
STANDARD CONSTRUCTION:

Shell and Nose: 22 Gauge Galvanized Steel
 Perforated Metal: 24 Gauge Galvanized Steel
 Fill Material: Fiberglass

FIRE RATINGS:

Fire Hazard Classification Ratings in accordance with ASTM-E84 is FHC 25/20.

Additional materials, gauges, and configurations are available, such as stainless or aluminum, with mylar or polyethylene liners or bagging. Please contact SEMCO for details.



Standard Sizes & Weights														
Std. Height	3'-0" Length Standard Width				5'-0" Length Standard Width				7'-0" Length Standard Width			10'-0" Length Standard Width		
	12"	24"	36"	48"	12"	24"	36"	48"	12"	24"	36"	12"	24"	36"
12"	31	52	68	81	51	85	110	133	71	120	154	101	171	218
24"	49	78	101	118	78	125	161	186	109	172	222	140	207	278
36"	67	105	135	154	105	165	210	238	145	226	288	190	280	366
48"	85	132	168	191	133	204	260	291	-	-	-	-	-	-

Non-standard sizes are available.

Non-standard height dimensions are available within the following restrictions:
 48" heights are not available in 7' through 10' lengths.

Self Generated Noise (dB)																		
Model	Length	Face Velocity	Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)							
			1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
LF2503	36"	500	47	46	39	42	40	37	28	24	48	45	37	39	42	41	30	24
		1000	59	46	46	45	48	51	47	38	54	48	50	49	54	59	54	45
		1500	70	54	55	55	56	59	60	53	66	55	55	56	57	63	66	57
		2000	80	64	63	62	63	64	66	62	74	60	60	61	62	65	69	66
LF2505	60"	500	53	47	39	34	34	31	26	27	48	48	42	41	44	45	30	25
		1000	59	44	45	45	48	52	47	36	52	50	52	51	55	59	55	46
		1500	75	58	59	57	57	59	61	54	64	51	56	56	58	63	65	57
		2000	83	68	65	63	64	63	66	62	74	57	60	61	61	65	70	66
LF2507	84"	500	52	44	42	38	41	41	29	24	50	47	45	44	45	45	33	27
		1000	63	51	52	50	50	54	51	43	55	52	53	53	54	57	55	48
		1500	77	62	61	60	61	61	62	56	63	57	58	60	60	62	64	59
		2000	86	71	69	68	69	66	69	65	68	61	62	63	65	66	70	68
LF2510	120"	500	47	40	42	40	42	41	32	25	45	49	43	44	43	41	29	24
		1000	65	53	54	52	52	55	52	45	56	52	54	53	53	57	53	46
		1500	78	62	63	61	61	63	64	59	65	59	61	62	62	64	66	60
		2000	87	72	70	68	68	69	70	67	67	64	65	66	67	69	70	70

Face Area Adjustment for Self Noise										
Attenuator Face Area (sq. ft.)	0.5	1	2	4	8	16	32	64	128	
PWL Adjustment Factor dB re 10 ⁻¹² Watts	-9	-6	-3	0	+3	+6	+9	+12	+15	

Add or Deduct From Power Level Above.

For intermediate face areas, interpolate to nearest whole number.



The SEMCO Model LF5000 low frequency sound silencers provide excellent low frequency performance across all bands coupled with low to medium pressure drops for use in low and medium velocity applications.



INDEPENDENTLY CERTIFIED TEST DATA

Published data is derived from Independent Certified Testing conducted in accordance with ASTM E477. For testing purposes, specified lengths of straight duct are used both upstream and downstream of the silencer. Static pressure losses must therefore be adjusted when the unit is installed, at or near transitions, elbows, or at the intake or discharge of the system. Consult SEMCO for adjustment values. All data published herein was obtained from a 24" x 24" production run unit.

Dynamic Insertion Loss (dB)																				
Model	Length	Face Velocity	Cv	Press. Drop	Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)							
					1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
LF5003	36"	0	3.00	0	3	10	16	18	18	15	13	14	3	9	16	18	17	13	11	12
		500		.06	1	9	16	18	19	15	13	14	3	11	18	19	18	14	13	15
		1000		.19	1	10	15	18	19	15	14	14	3	10	18	20	19	14	11	14
		1500		.42	3	9	15	17	19	15	14	14	3	11	18	21	19	14	11	15
		2000	.75	2	9	14	17	19	15	13	13	2	11	18	20	19	14	10	12	
LF5005	60"	0	3.55	0	6	14	22	26	29	24	18	18	5	16	25	26	25	22	18	17
		500		.06	5	12	22	25	28	24	19	18	6	16	26	27	26	22	19	18
		1000		.22	5	12	21	25	28	24	18	18	5	16	26	27	25	21	17	15
		1500		.50	5	12	20	24	28	24	18	17	5	16	25	28	26	21	15	13
		2000	.89	4	12	19	24	30	25	19	18	5	18	27	28	27	21	18	15	
LF5007	84"	0	3.97	0	7	18	33	38	32	27	19	17	7	18	33	35	30	26	21	18
		500		.06	6	18	32	37	32	27	19	17	8	19	34	36	31	27	22	19
		1000		.25	4	18	32	37	32	28	21	20	9	20	35	36	31	27	21	19
		1500		.56	5	16	30	36	33	28	20	18	9	21	35	37	32	27	21	19
		2000	.99	5	15	29	35	33	28	20	18	9	21	35	37	32	26	18	14	
LF5010	120"	0	4.50	0	9	24	45	45	39	35	25	20	6	21	40	39	35	35	24	18
		500		.07	8	22	43	45	39	34	24	19	10	25	44	43	39	37	26	20
		1000		.28	6	23	43	46	40	35	26	23	11	26	44	43	39	36	24	18
		1500		.63	7	22	42	45	40	36	26	22	12	26	44	45	40	35	25	19
		2000	1.12	6	22	40	44	40	36	26	21	11	26	44	45	41	33	21	16	

Forward Airflow Performance applies when both noise and airflow are traveling in the same direction.

Reverse Airflow Performance applies when noise and airflow are traveling in opposite directions.

Pressure Drops for velocities not shown above can be calculated using the following formula:

$$P.D. = C_v \times H_v$$

where: P.D. = Pressure Drop

Cv = Silencer Flow Coefficient

$$H_v = (V/4005)^2$$

Hv = Velocity Pressure in Inches w.g.

V = Face velocity in Ft./Min.

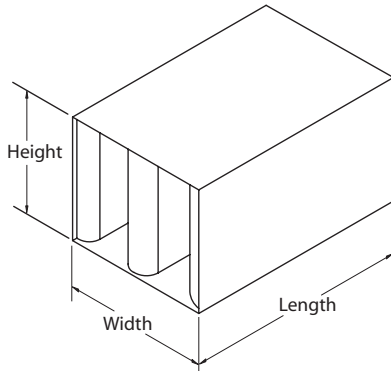
STANDARD CONSTRUCTION:

Shell and Nose: 22 Gauge Galvanized Steel
 Perforated Metal: 24 Gauge Galvanized Steel
 Fill Material: Fiberglass

FIRE RATINGS:

Fire Hazard Classification Ratings in accordance with ASTM-E84 is FHC 25/20.

Additional materials, gauges, and configurations are available, such as stainless or aluminum, with mylar or polyethylene liners or bagging. Please contact SEMCO for details.



Standard Sizes & Weights														
Std. Height	3'-0" Length Standard Width				5'-0" Length Standard Width				7'-0" Length Standard Width			10'-0" Length Standard Width		
	12"	24"	36"	48"	12"	24"	36"	48"	12"	24"	36"	12"	24"	36"
12"	26	47	60	74	43	78	99	121	60	110	139	85	156	199
24"	40	71	87	106	64	115	139	170	90	159	194	123	201	239
36"	54	96	114	138	86	152	179	218	118	211	246	163	271	308
48"	68	120	141	170	108	189	218	267	-	-	-	-	-	-

Non-standard sizes are available.

Non-standard height dimensions are available within the following restrictions:
 48" heights are not available in 7' through 10' lengths.

Self Generated Noise (dB)																		
Model	Length	Face Velocity	Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)							
			1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
LF5003	36"	500	43	37	31	31	28	27	20	24	48	43	39	37	35	30	33	25
		1000	46	39	35	38	42	42	31	25	46	40	44	46	49	48	37	27
		1500	59	46	47	47	48	53	50	42	53	49	50	49	54	48	53	42
		2000	68	53	55	54	54	58	58	52	61	53	55	55	56	61	62	53
LF5005	60"	500	50	53	44	40	39	34	32	25	44	39	38	48	38	33	33	28
		1000	50	43	44	40	44	44	36	28	45	44	46	50	49	48	37	27
		1500	59	51	50	49	50	55	52	45	55	51	52	52	55	59	54	45
		2000	67	55	56	55	55	60	61	55	64	58	57	57	58	62	62	53
LF5007	84"	500	48	42	36	32	27	33	27	24	43	40	34	31	34	26	21	25
		1000	52	43	39	37	40	41	33	25	45	43	46	47	49	48	32	27
		1500	60	50	49	47	48	53	50	43	54	50	52	53	53	56	52	43
		2000	68	57	57	54	53	58	59	52	61	56	58	58	58	60	61	55
LF5010	120"	500	51	43	40	37	30	29	33	36	54	44	41	38	32	26	21	25
		1000	49	44	43	41	42	42	35	26	56	49	49	49	50	46	33	26
		1500	58	49	49	52	50	53	50	42	55	51	54	54	56	58	53	46
		2000	68	56	57	55	56	59	60	53	61	57	59	59	59	61	60	53

Face Area Adjustment for Self Noise										
Attenuator Face Area (sq. ft.)	0.5	1	2	4	8	16	32	64	128	
PWL Adjustment Factor dB re 10 ⁻¹² Watts	-9	-6	-3	0	+3	+6	+9	+12	+15	

Add or Deduct From Power Level Above.

For intermediate face areas, interpolate to nearest whole number.



The SEMCO Model LF7500 low frequency sound silencers are designed to provide low band attenuation where velocities are in the medium to high ranges and pressure loss must be held to its lowest possible level. These attenuators can be duct mounted or assembled in banks at or near fans and equipment.



INDEPENDENTLY CERTIFIED TEST DATA

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Dynamic Insertion Loss (dB)																				
Model	Length	Face Velocity	Cv	Press. Drop	Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)							
					1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
LF7503	36"	0	1.45	0	1	7	11	15	15	11	11	10	1	6	11	15	15	12	13	13
		500		.02	2	7	11	15	16	11	12	12	2	7	12	15	15	12	13	13
		1000		.09	2	5	11	14	15	11	12	11	2	7	11	15	15	12	12	12
		1500		.20	1	6	11	14	16	11	12	11	3	7	12	15	15	13	13	14
		2000		.36	2	6	10	14	16	11	11	10	1	7	11	15	15	13	13	12
LF7505	60"	0	1.52	.0	3	10	17	26	23	16	14	12	3	9	19	26	23	17	17	17
		500		.02	4	9	17	26	24	16	16	15	4	11	19	26	23	18	18	18
		1000		.09	2	8	16	25	24	16	16	14	4	11	19	27	23	19	18	18
		1500		.21	2	9	17	25	24	17	16	16	4	12	20	27	23	18	17	16
		2000		.38	3	9	16	24	24	17	16	15	4	11	19	27	23	18	16	14
LF7507	84"	0	1.67	0	4	12	22	36	28	18	15	13	2	12	22	33	28	19	17	16
		500		.03	4	12	22	36	28	18	16	15	3	13	23	35	28	20	19	19
		1000		.10	2	12	21	34	28	19	16	15	4	14	24	34	28	21	20	19
		1500		.23	3	11	21	34	29	19	16	15	5	15	25	34	28	22	21	19
		2000		.42	2	11	20	33	29	19	17	16	5	14	24	34	27	22	19	16
LF7510	120"	0	1.84	0	6	15	29	43	37	22	17	12	6	17	31	40	37	25	21	20
		500		.03	5	14	28	44	37	23	18	15	7	17	32	41	36	25	23	22
		1000		.11	5	13	27	43	37	23	18	14	7	18	32	41	35	25	23	21
		1500		.26	5	14	27	43	38	23	19	15	9	19	33	42	35	26	24	22
		2000		.46	5	13	26	43	39	24	19	16	8	19	32	42	35	26	24	22

Forward Airflow Performance applies when both noise and airflow are traveling in the same direction.

Reverse Airflow Performance applies when noise and airflow are traveling in opposite directions.

Pressure Drops for velocities not shown above can be calculated using the following formula:

$$P.D. = C_v \times H_v$$

where: P.D. = Pressure Drop

Cv = Silencer Flow Coefficient

$$H_v = (V/4005)^2$$

Hv = Velocity Pressure in Inches w.g.

V = Face velocity in Ft./Min.

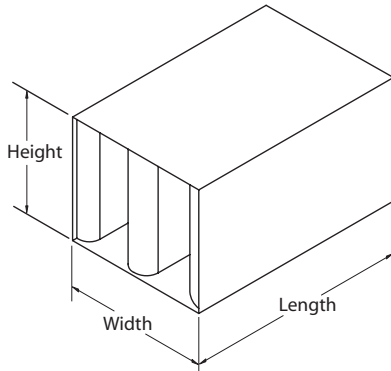
STANDARD CONSTRUCTION:

Shell and Nose: 22 Gauge Galvanized Steel
 Perforated Metal: 24 Gauge Galvanized Steel
 Fill Material: Fiberglass

FIRE RATINGS:

Fire Hazard Classification Ratings in accordance with ASTM-E84 is FHC 25/20.

Additional materials, gauges, and configurations are available, such as stainless or aluminum, with mylar or polyethylene liners or bagging. Please contact SEMCO for details.



Standard Sizes & Weights														
Std. Height	3'-0" Length				5'-0" Length				7'-0" Length			10'-0" Length		
	Standard Width				Standard Width				Standard Width			Standard Width		
	12"	24"	36"	48"	12"	24"	36"	48"	12"	24"	36"	12"	24"	36"
12"	24	37	48	65	39	61	79	107	55	87	112	78	124	159
24"	36	54	66	89	59	87	107	144	83	122	150	115	163	200
36"	49	71	84	113	79	114	134	180	111	159	186	153	215	250
48"	62	87	102	137	100	140	161	217	-	-	-	-	-	-

Non-standard sizes are available.

Non-standard height dimensions are available within the following restrictions:
 48" heights are not available in 7' through 10' lengths.

Self Generated Noise (dB)																		
			Forward Airflow Performance								Reverse Airflow Performance							
			Octave Band/Frequency (hz)								Octave Band/Frequency (hz)							
Model	Length	Face Velocity	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			63	125	250	500	1K	2K	4K	8K	63	125	250	500	1K	2K	4K	8K
LF7503	36"	500	52	47	38	32	33	33	27	25	50	44	37	34	31	31	26	25
		1000	51	45	40	40	40	34	27	25	50	44	42	47	46	43	34	26
		1500	51	44	44	45	48	50	44	34	54	51	52	52	54	56	49	38
		2000	60	57	53	57	53	57	54	48	65	59	55	59	57	60	58	50
LF7505	60"	500	51	43	36	31	28	30	26	25	50	41	40	32	32	31	27	25
		1000	50	43	36	33	38	35	27	25	52	41	42	46	48	46	35	25
		1500	54	46	43	44	45	47	38	29	56	51	51	53	54	57	51	41
		2000	60	52	52	52	51	55	51	47	61	56	56	59	57	62	61	51
LF7507	84"	500	49	40	36	28	28	31	26	25	50	43	38	32	32	33	27	25
		1000	50	50	41	37	35	33	31	26	51	45	44	48	49	49	39	28
		1500	51	51	47	49	48	48	42	30	57	55	54	55	54	58	55	45
		2000	59	58	54	54	51	55	51	43	67	64	59	64	61	62	63	55
LF7510	120"	500	54	45	36	34	29	32	27	25	49	49	45	48	48	47	37	26
		1000	49	40	36	32	37	32	27	25	56	44	43	46	46	44	33	25
		1500	51	45	44	47	46	48	41	33	52	42	47	48	51	52	44	32
		2000	58	56	53	51	51	55	51	44	51	46	49	53	52	54	47	43

Face Area Adjustment for Self Noise										
Attenuator Face Area (sq. ft.)		0.5	1	2	4	8	16	32	64	128
PWL Adjustment Factor dB re 10 ⁻¹² Watts		-9	-6	-3	0	+3	+6	+9	+12	+15

Add or Deduct From Power Level Above.

For intermediate face areas, interpolate to nearest whole number.





**Model RLF1000
RLF6100 & RLF7800
Round Sound Silencer**

SEMCO low frequency round sound silencers are designed to increase performance in the lower octave bands, without sacrificing high end performance.



INDEPENDENTLY CERTIFIED TEST DATA

Published data is derived from Independent Certified Testing conducted in accordance with ASTM E477. For testing purposes, specified lengths of straight duct are used both upstream and downstream of the silencer. Static pressure losses must therefore be adjusted when the unit is installed, at or near transitions, elbows, or at the intake or discharge of the system. Consult SEMCO for adjustment values. All data published herein was obtained from a 24" round production run unit. Larger units will produce higher insertion losses.

					Dynamic Insertion Loss (dB)																
					Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)								
Model	Length	Face Velocity	Cv	Press. Drop	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K	
RLF1000	2 x Dia.	0	.15	0	8	14	23	32	27	24	24	19	8	14	23	32	27	24	24	19	
		1000		.01	8	13	23	32	27	24	24	19	8	13	23	32	27	24	24	19	
		1500		.02	7	13	22	31	27	24	24	19	7	13	22	31	27	24	24	19	
		2000		.04	6	13	22	31	27	24	24	19	6	13	22	31	27	24	24	19	
		2500		.06	6	13	22	31	27	24	24	19	6	13	22	31	27	24	24	19	
RLF7800T	2 x Dia.	0	.36	0	9	16	24	42	49	47	33	25	9	16	24	42	49	47	33	25	
		1000		.02	8	16	24	41	48	47	33	25	8	16	24	41	48	47	33	25	
		1500		.05	6	15	24	40	47	47	33	25	6	15	24	40	47	47	33	25	
		2000		.09	5	13	21	26	45	44	31	24	5	5	13	21	26	45	44	31	24
		2500		.14	4	13	20	26	43	43	30	24	4	4	13	20	26	43	43	30	24
RLF7800R	2 x Dia.	0	.40	0	8	12	24	39	45	39	27	23	8	12	24	39	45	39	27	23	
		1000		.03	8	12	24	39	44	39	27	23	8	12	24	39	44	39	27	23	
		1500		.06	8	12	23	38	44	39	27	23	8	12	23	38	44	39	27	23	
		2000		.10	7	12	23	37	43	39	27	23	7	12	23	37	43	39	27	23	
		2500		.16	6	11	22	36	43	39	27	23	6	11	22	36	43	39	27	23	
RLF6100T	2 x Dia.	0	.64	0	7	14	21	34	40	36	25	20	7	14	21	34	40	36	25	20	
		1000		.04	7	14	21	33	39	36	25	20	7	14	21	33	39	36	25	20	
		1500		.09	7	14	21	33	39	36	25	20	7	14	21	33	39	36	25	20	
		2000		.16	6	14	21	33	39	36	25	20	6	14	21	33	39	36	25	20	
		2500		.25	5	13	20	32	39	33	25	20	5	13	20	32	39	33	25	20	
RLF6100R	2 x Dia.	0	.80	0	10	14	29	45	53	49	34	27	11	16	29	46	56	56	42	31	
		1000		.05	9	13	26	44	51	48	34	27	10	16	27	46	56	55	41	28	
		1500		.11	9	13	26	43	51	48	34	27	10	16	27	46	56	55	41	28	
		2000		.20	9	13	26	42	50	47	33	27	9	16	27	46	53	52	38	27	
		2500		.31	6	13	25	40	49	46	33	27	6	16	27	44	50	48	37	25	

Forward Airflow Performance applies when both noise and airflow are traveling in the same direction.

Reverse Airflow Performance applies when noise and airflow are traveling in opposite directions.

Minimum Length is 36"

Pressure Drops for velocities not shown above can be calculated using the following formula:

P.D. = Cv x Hv

where: P.D. = Pressure Drop

Cv = Silencer Flow Coefficient

Hv = (V/4005)²

Hv = Velocity Pressure in Inches w.g.

V = Face velocity in Ft./Min.

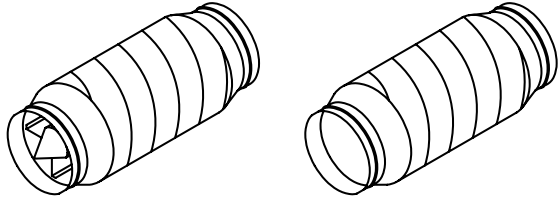
STANDARD CONSTRUCTION:

Diameter	Spiral Shell (ga. galv.)	Nose (ga. galv.)	Perf. Liner (ga. galv.)	Perf. Bullet (ga. galv.)
12" - 14"	26	20	26	24
15" - 18"	24	20	26	24
19" - 26"	24	20	24	24
28" - 36"	22	20	22	24
38" - 50"	20	20	22	22
52" - 60"	18	20	22	22

Additional materials, gauges, and configurations are available, such as stainless or aluminum, with mylar or polyethylene liners or bagging. Please contact SEMCO for details.

FIRE RATINGS:

Fire Hazard Classification Ratings in accordance with ASTM-E84 is FHC 25/20.



Round Silencer Weights									
Model	12	18	24	30	36	42	48	54	60
RLF1000	62	77	139	203	278	366	527	663	797
RLF7800	63	82	152	226	328	433	618	771	940
RLF6100	64	102	194	296	428	669	923	1225	1489

Round silencers are available in all even sizes, 12 round through 60 round.

		Self Generated Noise (dB)																
		Forward Airflow Performance Octave Band/Frequency (hz)								Reverse Airflow Performance Octave Band/Frequency (hz)								
Model	Length	Face Velocity	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			63	125	250	500	1K	2K	4K	8K	63	125	250	500	1K	2K	4K	8K
RLF1000	2 x Dia.	1000	49	50	36	30	29	26	22	19	49	50	36	30	29	26	22	19
		1500	52	51	42	38	34	28	23	19	52	51	42	38	34	28	23	19
		2000	56	56	48	45	41	36	33	23	56	56	48	45	41	36	33	23
		2500	61	62	59	58	49	46	43	34	61	62	59	58	49	46	43	34
RLF7800T	2 x Dia.	1000	53	45	35	30	19	18	18	18	48	42	35	35	31	27	20	18
		1500	57	49	38	36	28	21	19	18	52	44	38	37	33	30	24	19
		2000	60	52	41	39	35	27	20	18	60	54	48	49	48	47	45	38
		2500	63	58	47	46	42	39	32	21	67	63	58	59	55	56	54	49
RLF7800R	2 x Dia.	1000	52	50	39	34	30	29	23	19	52	50	39	34	30	29	23	19
		1500	56	51	42	41	40	36	30	19	56	51	42	41	40	36	30	19
		2000	63	61	55	53	50	49	45	37	63	61	55	53	50	49	45	37
		2500	67	65	63	65	53	53	51	43	67	65	63	65	53	53	51	43
RLF6100T	2 x Dia.	1000	51	44	36	34	26	19	18	18	52	46	42	44	40	36	28	24
		1500	59	48	40	36	28	20	18	18	54	49	45	47	46	42	34	27
		2000	62	53	42	41	39	35	28	22	60	56	52	53	52	51	46	39
		2500	64	60	50	50	47	46	42	35	65	62	59	59	58	59	56	49
RLF6100R	2 x Dia.	1000	51	43	35	35	34	28	26	19	51	43	35	35	34	28	26	19
		1500	59	55	45	44	44	43	39	25	59	55	45	44	44	43	39	25
		2000	59	56	47	48	48	48	46	36	59	56	47	48	48	48	46	36
		2500	65	63	58	58	54	56	55	50	65	63	58	58	54	56	55	50

Minimum Length is 36"

Face Area Adjustment for Self Noise									
Attenuator Face Area (sq. ft.)	0.5	1	2	4	8	16	32	64	128
PWL Adjustment Factor dB re 10 ⁻¹² Watts	-9	-6	-3	0	+3	+6	+9	+12	+15

Add or Deduct From Power Level Above.

For intermediate face areas, interpolate to nearest whole number.

