

Low Frequency Attenuator - Model **SRL-2**

		Dynamic Insertion Loss (dB) Octave Band/Center Frequency (Hz)									
Model	Flow	Velocity fpm	Static Press	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
SRL-2-36 36"	Reverse	-2000	0.32	4	7	13	18	16	12	12	10
		-1500	0.18	4	7	12	17	15	12	12	9
	Flow	-1000	0.08	4	7	12	17	15	12	12	9
		0		3	6	12	16	15	11	11	9
	Forward	1000	0.08	3	5	11	15	15	10	10	8
		1500	0.18	3	5	11	15	15	10	10	8
		2000	0.32	3	5	11	14	14	9	9	7
SRL-2-60 60"	Reverse	-2000	0.36	7	12	18	25	24	18	13	12
		-1500	0.20	7	12	18	25	24	18	13	12
	Flow	-1000	0.09	6	11	18	24	23	17	12	11
		0		6	10	17	23	22	17	12	10
	Forward	1000	0.09	6	10	17	22	20	16	11	10
		1500	0.20	6	10	17	22	20	16	11	10
		2000	0.36	6	9	16	21	20	15	10	10
SRL-2-84 84"	Reverse	-2000	0.40	10	14	24	32	30	24	16	12
		-1500	0.23	10	14	24	32	30	24	16	12
	Flow	-1000	0.10	9	13	23	32	29	24	15	12
		0		9	13	22	32	29	24	15	11
	Forward	1000	0.10	9	12	20	30	27	22	14	10
		1500	0.23	9	12	20	30	27	21	14	10
		2000	0.36	8	12	20	29	27	20	13	10
SRL-2-120 120"	Reverse	-2000	0.44	11	19	31	43	40	27	20	15
		-1500	0.25	11	19	31	43	40	27	20	15
	Flow	-1000	0.11	11	18	31	43	40	27	19	15
		0		11	17	30	42	39	26	19	15
	Forward	1000	0.11	10	17	30	41	39	26	18	14
		1500	0.25	10	17	30	41	39	26	18	14
		2000	0.44	9	16	29	40	39	26	18	14

Forward Flow: Characteristic of supply or discharge fan systems

Reverse Flow: Typical of return or intake fan systems

Calculating Actual Pressure Drop:

- Determine Actual Velocity (FPM) = CFM / Area, ft² = CFM / (W x H / 144)
where W and H are Silencer Width and Height, inches
- Static Pressure Drop = (Actual Velocity/1500)² x Catalog Static Pressure Drop @ 1500 FPM



Anemostat FLO performance data software provides silencer performance at actual conditions and can be downloaded from:
https://www.anemostat-hvac.com/Tech_Center/software.asp

Low Frequency Attenuator - Model SRL

Self-noise Power Levels

		Self-Noise Power Levels, dB re 10 ⁻¹² Watts Octave Band/Center Frequency (Hz)							
Model	Velocity fpm	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
SRL-2	1000	56	41	41	47	46	41	30	30
	1500	56	47	45	48	53	59	56	48
	2000	63	55	49	51	54	63	67	60
SRL-3	1000	51	40	39	42	42	40	27	26
	2000	53	45	46	48	49	52	46	39
	2500	57	52	54	53	53	58	58	50
SRL-4	1000	47	39	37	37	39	39	24	22
	1500	50	43	47	48	45	46	36	30
	2000	52	49	59	55	52	54	49	40
SRL-5	1000	45	37	35	35	37	37	22	20
	1500	47	41	43	43	42	44	32	29
	2000	49	46	53	50	49	53	46	39
SRL-6	1000	44	36	33	34	35	35	21	19
	1500	45	40	39	38	40	43	29	28
	2000	46	43	47	46	47	52	44	38

Area Adjustment Factors: The generated self-noise power levels shown above in the table are based on silencers with a Face Area of 4 sq. feet. For silencers with a different face area, add the adjustment factor as shown below based on the face area of the silencer:

Silencer Face Area, ft ²	.50	1	2	4	6	8	16	32	64	128
Power Level Adjustment Factor, dB	-9	-6	-3	0	2	3	6	9	12	15