

## Standard Attenuator - Model **SR-6**

		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
<b>SR-6-36</b>	Reverse	-2000	0.20	5	8	11	18	27	18	11	9
		-1500	0.11	5	7	10	18	27	18	11	8
	Flow	-1000	0.05	5	7	10	18	27	19	11	8
		0		4	6	9	17	27	19	12	9
	36" Forward	1000	0.05	5	7	9	16	27	20	13	10
		Flow	1500	0.11	5	7	9	16	27	20	13
		2000	0.20	4	6	9	16	26	20	14	10
<b>SR-6-60</b>	Reverse	-2000	0.23	6	11	16	29	36	29	16	11
		-1500	0.13	6	10	15	29	39	29	16	10
	Flow	-1000	0.06	6	10	15	28	40	30	17	10
		0		5	9	14	27	42	31	18	12
	60" Forward	1000	0.06	6	9	13	25	42	32	19	13
		Flow	1500	0.13	6	9	13	25	41	32	19
		2000	0.23	6	8	13	24	40	32	20	13
<b>SR-6-84</b>	Reverse	-2000	0.26	8	14	20	39	45	39	20	12
		-1500	0.15	8	13	20	39	50	40	21	12
	Flow	-1000	0.07	7	13	19	38	52	41	22	12
		0		7	12	18	36	56	42	24	14
	84" Forward	1000	0.07	7	11	17	33	56	43	25	16
		Flow	1500	0.15	7	11	17	33	55	43	25
		2000	0.26	7	10	16	32	54	43	26	16
<b>SR-6-120</b>	Reverse	-2000	0.30	9	18	27	48	61	49	34	17
		-1500	0.17	9	18	26	47	60	49	33	17
	Flow	-1000	0.08	8	17	26	46	60	48	32	17
		0		7	16	26	45	58	48	31	16
	120" Forward	1000	0.08	7	15	26	44	56	48	30	17
		Flow	1500	0.17	7	15	26	44	56	48	30
		2000	0.30	7	14	26	43	56	48	31	17

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, ft<sup>2</sup> = CFM / (W x H / 144)  
where W and H are Silencer Width and Height, inches
- Static Pressure Drop = (Actual Velocity/1500)<sup>2</sup> 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](https://www.anemostat-hvac.com/Tech_Center/software.asp)

## Model SR Silencers

### Self-noise Power Levels

Self-Noise Power Levels, <b>dB re 10<sup>-12</sup> Watts</b> Octave Band/Center Frequency (Hz)									
Model	Velocity fpm	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
SR-2	1000	53	44	38	37	41	44	38	31
	1500	58	53	47	46	47	54	53	48
	2000	71	62	55	54	52	59	63	59
SR-3	1000	54	46	37	36	39	39	32	29
	1500	58	53	46	44	45	49	47	43
	2000	70	62	56	54	52	59	62	58
SR-4	1000	55	48	37	35	37	35	27	27
	1500	61	57	52	49	48	55	55	50
	2000	70	63	58	55	53	59	62	58
SR-5	1000	54	45	37	36	36	32	24	27
	1500	60	56	52	49	48	55	53	47
	2000	68	62	57	55	52	59	60	55
SR-6	1000	53	42	37	35	35	29	22	27
	2000	60	56	52	49	48	55	51	44
	2500	67	62	57	55	52	59	59	53

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 <sup>2</sup>	.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