

Hospital/Clean Room Attenuator - Model **SRH-5**

Dynamic Insertion Loss (dB)
Octave Band/Center Frequency (Hz)

		Velocity fpm	Static Press	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
SRH-5-36	Reverse	-2000	0.26	6	8	11	15	22	25	18	8
	Flow	-1500	0.15	6	7	9	14	21	25	17	8
		-1000	0.06	5	7	9	13	21	25	17	7
		0		5	6	8	12	21	25	17	8
	Forward	1000	0.06	5	6	8	11	20	25	17	8
	Flow	1500	0.15	4	6	8	11	20	25	17	8
		2000	0.26	4	5	7	10	18	24	17	8
SRH-5-48	Reverse	-2000	0.28	7	9	12	19	27	32	20	8
	Flow	-1500	0.16	6	8	12	18	27	31	20	8
		-1000	0.07	6	8	11	17	27	32	20	7
		0	0.07	5	7	10	16	27	33	19	8
	Forward	1000	0.07	6	7	10	15	27	32	20	9
	Flow	1500	0.16	5	6	9	15	26	32	20	9
		2000	0.28	5	6	8	14	25	30	19	9
SRH-5-60	Reverse	-2000	0.31	8	11	15	23	33	39	23	9
	Flow	-1500	0.17	8	10	14	22	34	39	23	8
		-1000	0.08	7	9	14	21	34	39	22	8
		0		6	8	13	20	35	40	22	9
	Forward	1000	0.08	7	8	12	18	35	40	23	10
	Flow	1500	0.17	6	7	11	18	34	40	23	10
		2000	0.31	6	7	10	18	32	37	22	11
SRH-5-72	Reverse	-2000	0.34	9	11	16	26	35	43	25	10
	Flow	-1500	0.19	8	10	16	25	35	43	25	9
		-1000	0.08	8	10	15	23	35	44	25	9
		0		7	9	14	22	37	44	25	10
	Forward	1000	0.08	7	8	13	21	36	44	25	12
	Flow	1500	0.19	7	7	12	21	35	43	24	12
		2000	0.34	6	7	11	20	33	41	24	13
SRH-5-84	Reverse	-2000	0.35	10	12	18	29	36	47	28	12
	Flow	-1500	0.2	9	11	17	28	37	47	29	11
		-1000	0.09	9	11	16	27	37	49	28	11
		0		8	10	15	25	39	49	28	12
	Forward	1000	0.09	8	9	15	24	38	48	27	14
	Flow	1500	0.2	8	9	14	24	37	47	27	14
		2000	0.35	7	8	13	23	35	45	27	15

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Dynamic Insertion Loss (dB)
Octave Band/Center Frequency (Hz)

		Velocity fpm	Static Press	1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
SRH-5-96	Reverse Flow	-2000	0.39	10	13	19	31	39	49	31	12
		-1500	0.22	9	12	18	30	39	49	31	11
		-1000	0.1	9	12	17	27	39	49	30	11
		0		8	11	16	29	39	48	30	12
	Forward Flow	1000	0.1	8	10	15	28	39	48	29	14
		1500	0.22	8	10	15	27	38	47	29	14
		2000	0.39	7	9	14	26	37	46	28	15
SRH-5-108	Reverse Flow	-2000	0.43	11	14	20	35	43	51	34	13
		-1500	0.24	10	14	19	33	43	50	33	12
		-1000	0.11	10	13	18	28	42	49	33	12
		0		9	12	17	34	41	48	32	13
	Forward Flow	1000	0.11	9	11	17	32	40	48	31	15
		1500	0.24	9	11	16	31	39	47	31	15
		2000	0.43	8	10	16	30	39	47	31	16
SRH-5-120	Reverse Flow	-2000	0.46	11	15	21	33	47	57	38	14
		-1500	0.26	11	15	20	32	46	58	37	13
		-1000	0.12	10	14	19	31	45	58	37	13
		0		9	13	18	30	42	58	36	14
	Forward Flow	1000	0.12	9	12	18	29	41	57	36	15
		1500	0.26	9	12	18	28	40	56	36	16
		2000	0.46	9	11	17	28	40	55	35	16

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

Hospital / Clean Room Attenuator - Model SRH

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
SRH-2	1000	63	50	42	41	44	44	38	34
	1500	69	58	50	49	50	55	55	52
	2000	83	75	60	59	57	61	66	65
SRH-3	1000	59	49	40	38	41	40	33	31
	1500	65	58	51	49	49	55	55	51
	2000	77	69	59	57	55	60	64	62
SRH-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
SRH-5	1000	54	45	37	34	36	32	25	27
	1500	61	57	52	48	47	54	53	47
	2000	69	63	57	55	53	59	61	56
SRH-6	1000	53	42	36	33	35	29	22	27
	1500	60	56	51	47	46	53	51	44
	2000	67	62	56	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 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