

## Packless Attenuator - Model **SRP-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
<b>SRP-2-36</b>	Reverse	-1000	0.44	8	11	16	23	13	11	8	8
	Flow	-500	0.11	8	11	16	23	13	11	8	8
		0		8	8	14	18	11	11	9	9
	Forward	500	0.11	7	8	17	22	13	11	9	9
	Flow	1000	0.44	7	8	17	22	13	11	9	9
<b>SRP-2-72</b>	Reverse	-1000	0.53	12	16	24	29	18	14	12	10
	Flow	-500	0.13	12	16	24	29	18	14	12	10
		0	0	8	10	17	24	16	13	12	10
	Forward	500	0.13	11	14	22	29	19	14	13	12
	Flow	1000	0.53	11	14	22	29	19	14	13	12
<b>SRP-2-108</b>	Reverse	-1000	0.64	16	24	29	35	24	18	15	11
	Flow	-500	0.16	16	24	29	35	24	18	15	11
		0		10	15	23	28	20	17	15	14
	Forward	500	0.16	13	20	30	33	24	18	15	14
	Flow	1000	0.64	13	20	30	33	24	18	15	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, ft<sup>2</sup> = CFM / (W x H / 144)  
where W and H are Silencer Width and Height, inches
- Static Pressure Drop = (Actual Velocity/1000)<sup>2</sup> x Catalog Static Pressure Drop @ 1000 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)

# Rectangular Packless Attenuators - Model SRP

## No Absorptive Fill Units

### 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
SRP-2	500	56	49	43	43	49	54	47	28
	1000	64	58	51	51	55	65	63	54
	1500	66	65	60	58	59	66	72	70
SRP-4	500	55	47	42	43	49	54	47	28
	1000	63	54	50	52	55	58	56	42
	1500	63	59	57	59	61	65	68	61
SRP-6	500	50	46	41	41	48	53	45	25
	1000	53	49	47	46	52	53	46	31
	1500	63	58	56	55	57	63	64	54

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