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Packless Attenuator - Model SRP-4

Model	Flow	Velocity fpm	Static Press	Dynamic Insertion Loss (dB) Octave Band/Center Frequency (Hz) 1 63	2 125	3 250	4 500	5 1K	6 2K	7 4K	8 8K
SRP-4-36 36"	Reverse	-1000	0.36	5	6	9	16	21	14	9	9
	Flow	-500	0.09	5	6	9	16	21	14	9	9
		0		4	4	6	15	18	11	10	9
	Forward	500	0.09	5	5	9	16	20	13	10	8
	Flow	1000	0.36	5	5	9	16	20	13	10	8
SRP-4-72 72"	Reverse	-1000	0.51	9	12	17	28	27	16	11	10
	Flow	-500	.13	9	12	17	28	27	16	11	10
		0		5	7	11	24	23	16	12	11
	Forward	500	0.13	6	8	15	25	25	16	12	12
	Flow	1000	0.51	6	8	15	25	25	16	12	12
SRP-4-108 108"	Reverse	-1000	0.63	10	18	25	35	35	20	17	15
	Flow	-500	.16	10	18	25	35	35	20	17	15
		0		8	12	15	30	30	20	17	16
	Forward	500	0.16	8	15	21	33	32	21	18	17
	Flow	1000	0.63	8	15	21	33	32	21	18	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^2 = CFM / (W x H / 144) where W and H are Silencer Width and Height, inches
- Static Pressure Drop = (Actual Velocity/1000)^2 x Catalog Static Pressure Drop @ 1000 FPM

FLO Anemostat Product Selection

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

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Rectangular Packless Attenuators - Model SRP

No Absorptive Fill Units

Self-noise Power Levels

Model	Velocity fpm	Self-Noise Power Levels, dB re 10^{-12} Watts Octave Band/Center Frequency (Hz) 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^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