

Acoustical Data

Triple Lock Medical Grade, Model T/L-AMG

Straight Duct - Insertion Loss (dB) In Forward Flow Conditions For 10 Feet Length

	Model #	Octave Band No	1	2	3	4	5	6	7	8
		Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
6" ID	T/L AMG	0 FPM	0	5	15	39	39	42	31	30
		2500 FPM	0	5	17	38	>37	41	30	27
8" ID	T/L AMG	0 FPM	2	6	10	25	31	40	27	24
		2500 FPM	1	6	11	25	>32	>38	25	21
12" ID	T/L AMG	0 FPM	5	4	6	14	23	35	26	21
		2500 FPM	4	5	7	13	23	34	24	19

90 Degree Elbow - Insertion Loss (dB) In Forward Flow Conditions For 10 Feet Length

	Model #	Octave Band No	1	2	3	4	5	6	7	8
		Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
6" ID	T/L AMG	0 FPM	1	5	14	34	38	43	30	30
		2500 FPM	3	8	21	>34	>31	>30	28	28
8" ID	T/L AMG	0 FPM	0	2	7	19	34	43	29	25
		2500 FPM	1	3	9	19	>28	>31	27	22
12" ID	T/L AMG	0 FPM	-1	1	5	14	23	38	24	20
		2500 FPM	0	3	7	14	23	>33	23	18

Radiated Noise Reduction (dB) For 10 Feet Length

	Model #	Octave Band No	1	2	3	4	5	6	7	8
		Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
6" ID	T/L AMG	0 FPM	5	7	9	11	13	15	20	25
		2500 FPM	5	8	9	10	13	15	20	25
8" ID	T/L AMG	0 FPM	7	7	7	10	12	12	14	18
		2500 FPM	6	7	8	10	12	12	15	18
12" ID	T/L AMG	0 FPM	7	9	6	8	11	12	16	18
		2500 FPM	8	8	6	8	11	11	16	17

Insulation options: R4.2, R6, R8

Note: Insertion loss data denoted with a (>) sign has been corrected to take into consideration the effect of the generated sound pressure level approaching the sound pressure level obtained during the insertion loss portion of the test. In some cases, the insertion loss may be higher than shown.



INTERTEK Test Method

The laboratory method used in conducting these tests is in accordance with ASTM Standard E477-2006a, entitled "Standard Test Method for Measuring Acoustical and Airflow Performance of Duct Liner Materials and Prefabricated Silencers" and ADC test Code FD 72-R1, entitled "Flexible Air Duct Test Code FD72".

07.2018

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