

MetaSus Silencer



The MetaSus™ silencer family delivers a next-generation solution to noise challenges in heating and cooling systems, chimneys, exhausts, and other flow-related applications. Using advanced acoustic metamaterial technology, it achieves outstanding performance without conventional insulation materials—offering a lighter, greener, and more innovative alternative.

Consistent Performance Independent of Raw Material

High Permeability

Manufacturable from Plastic, Metal, or Any Solid Material

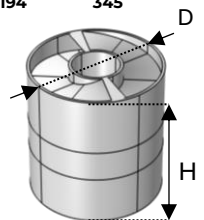
Standard Parts or Tailor-Made Solutions for Your Needs*

Product Code	Outer Dia. D (cm)	Height H (cm)	Insertion Loss IL (dB)** ,***					Flow Pressure Drop (Pa)** ,***			
			250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	1 m/s	2 m/s	3 m/s	4 m/s
MS-D10-001	10	8.4	10.3	12.2	35.2	29.2	17.9	29	115	260	462
MS-D10-002	10	8.8	10.5	12.9	22.0	26.4	22.5	25	98	221	393
MS-D10-003	10	13.4	7.0	9.4	19.3	17.7	18.8	10	39	87	154
MS-D10-004	10	14.6	9.1	10.7	26.1	25.9	23.5	37	150	337	599
MS-D10-005	10	17.2	6.9	9.3	21.1	19.1	17.3	4	18	40	70
MS-D10-006	10	22.0	6.1	15.4	14.2	15.2	18.8	6	25	56	99
MS-D10-007	10	26.2	7.8	12.2	22.1	22.1	23.1	12	47	105	187
MS-D10-008	10	28.2	5.2	13.4	21.5	17.4	20.2	6	22	50	89
MS-D15-001	15	8.8	5.7	11.9	27.9	24.9	20.6	36	144	323	575
MS-D15-002	15	10.9	5.1	9.1	30.9	26.3	18.1	29	115	259	461
MS-D15-003	15	13.2	5.7	18.2	31.8	21.2	21.1	32	129	290	516
MS-D15-004	15	13.2	5.6	19.1	29.4	22.6	19.3	43	174	390	694
MS-D15-005	15	13.8	6.1	20.6	28.9	22.0	15.2	26	105	237	421
MS-D15-006	15	16.8	4.8	10.8	20.6	22.1	11.9	13	53	119	211
MS-D15-007	15	18.2	6.5	14.8	15.3	20.0	14.6	7	29	66	117
MS-D20-001	20	8.0	5.9	26.1	32.3	19.9	22.9	67	269	606	1078
MS-D20-002	20	8.9	4.8	23.1	31.3	20.4	21.8	42	167	375	666
MS-D20-003	20	12.8	7.8	16.3	26.4	19.4	20.9	32	127	285	506
MS-D20-004	20	13.7	6.5	22.9	23.1	17.9	20.9	37	149	336	598
MS-D20-005	20	18.9	6.2	9.1	15.4	15.8	13.1	5	19	42	75
MS-D20-006	20	20.3	10.1	15.1	25.3	17.6	18.2	10	41	92	164
MS-D20-007	20	20.9	10.0	12.1	23.4	19.6	17.2	22	86	194	345

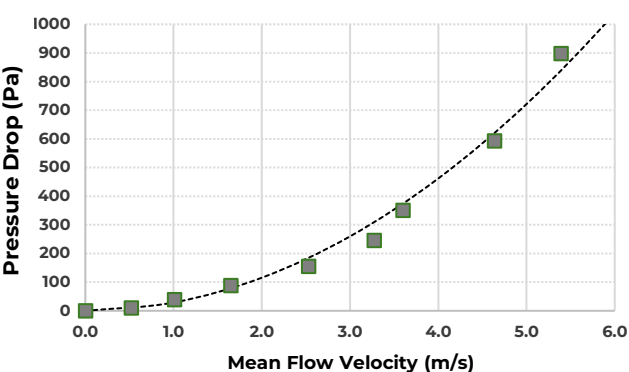
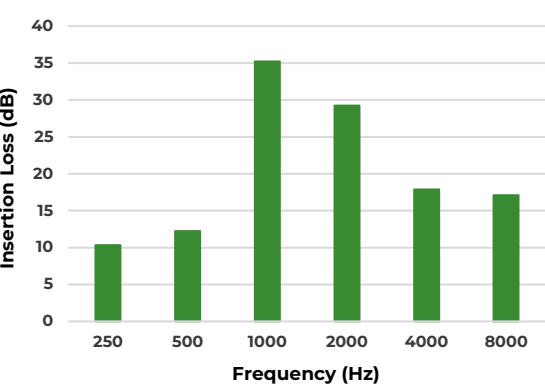
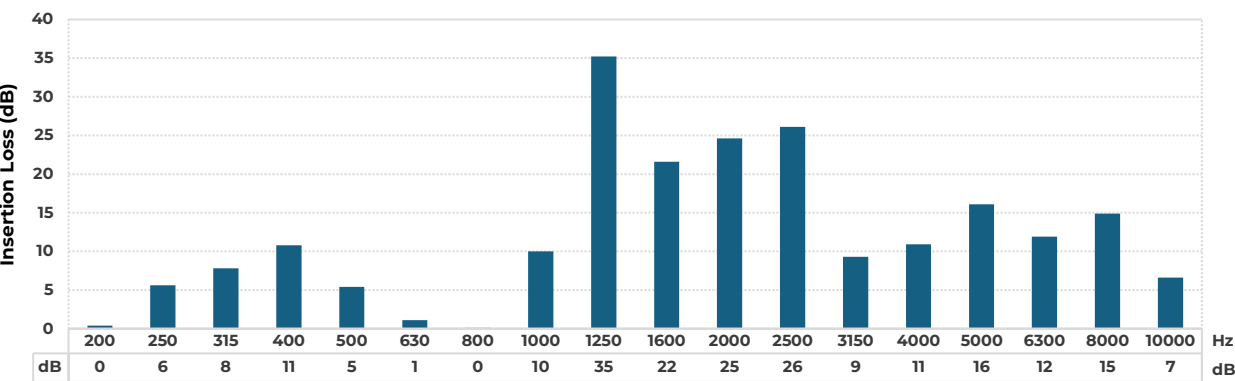
* Contact info@metapax.com.tr for special design requirement: dB-frequency profile, cross-section, size, material

**Look at the product page for 1/1 and 1/3 octave band performance and pressure drop details

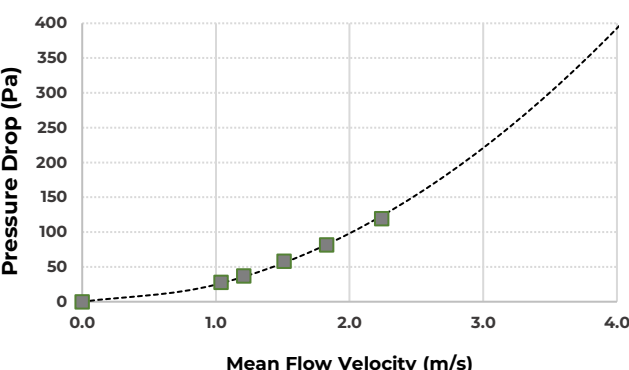
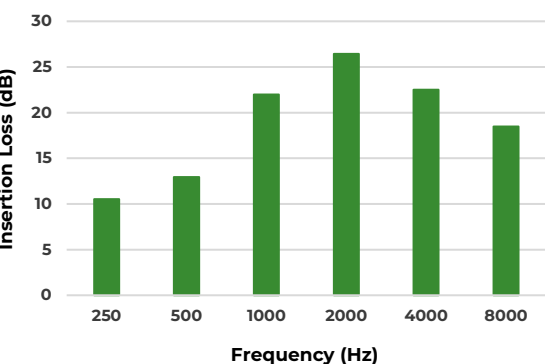
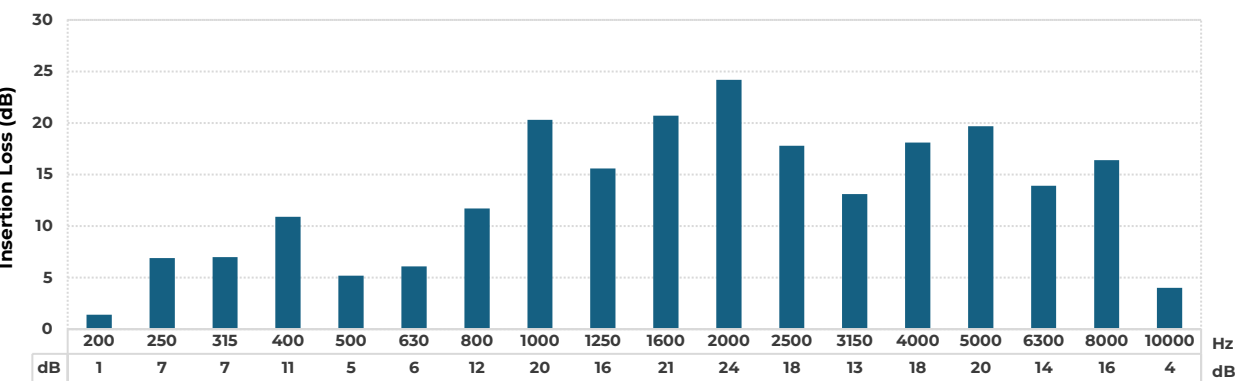
***Further information available for test results.



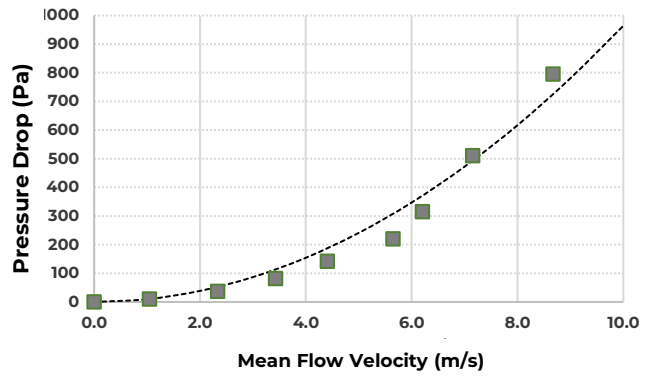
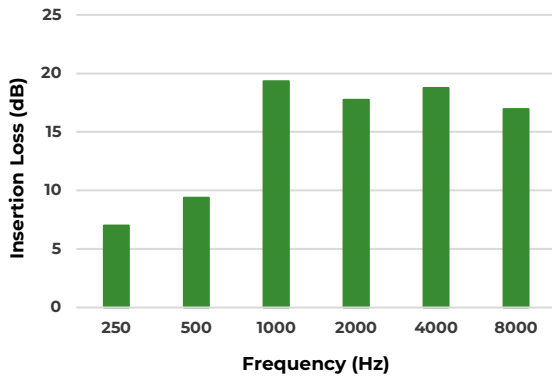
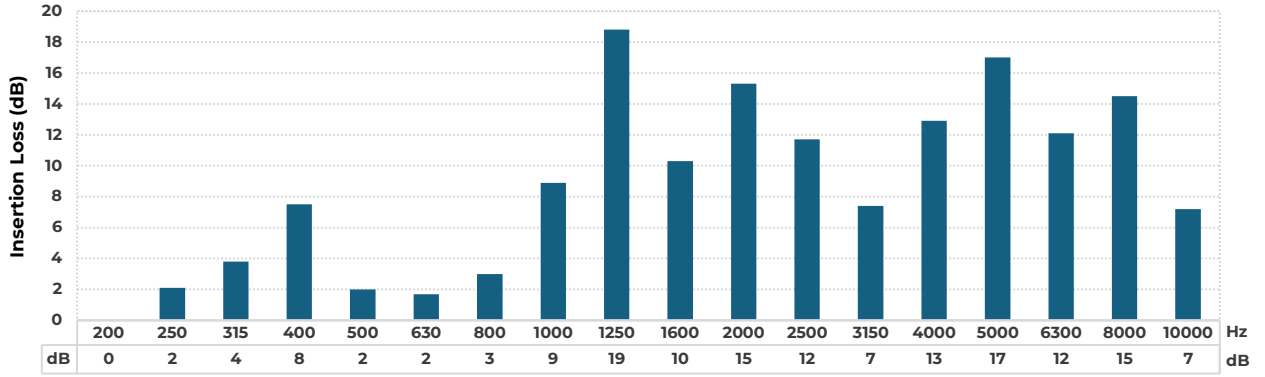
MetaSus MS-D10-001



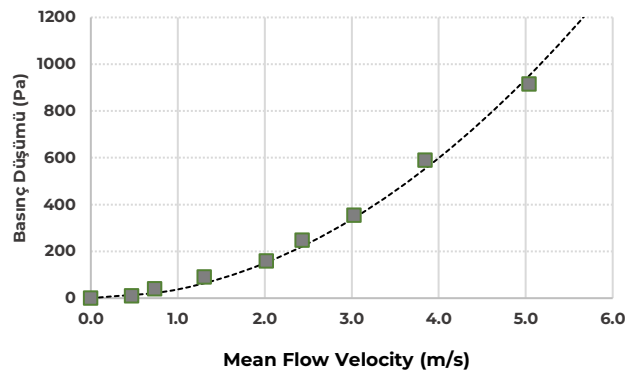
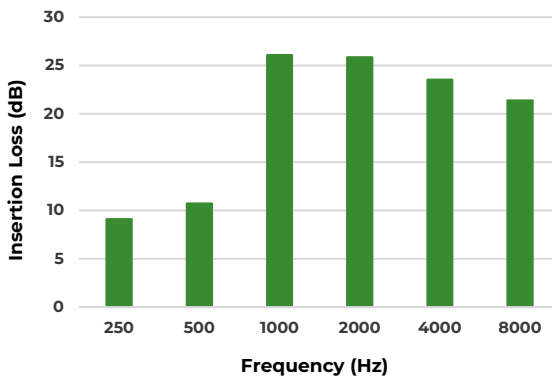
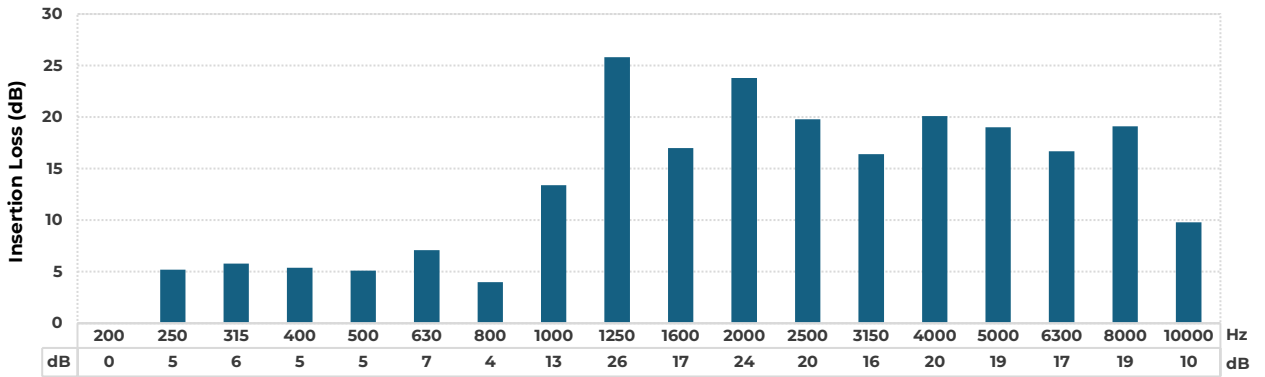
MetaSus MS-D10-002



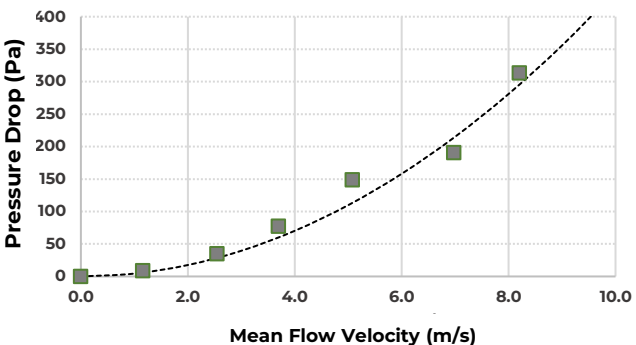
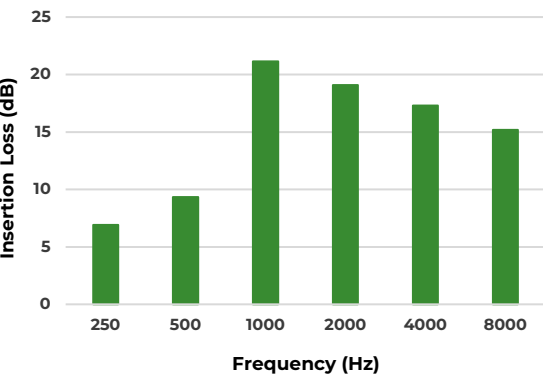
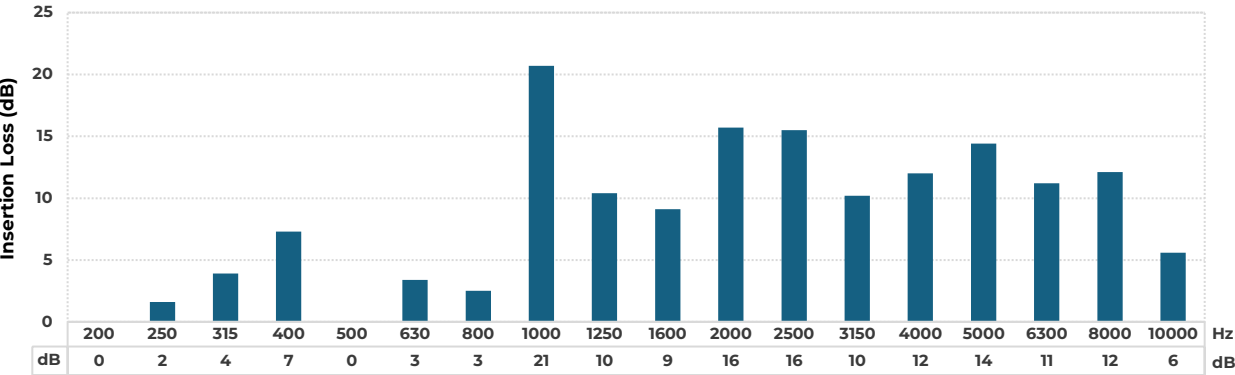
MetaSus MS-D10-003



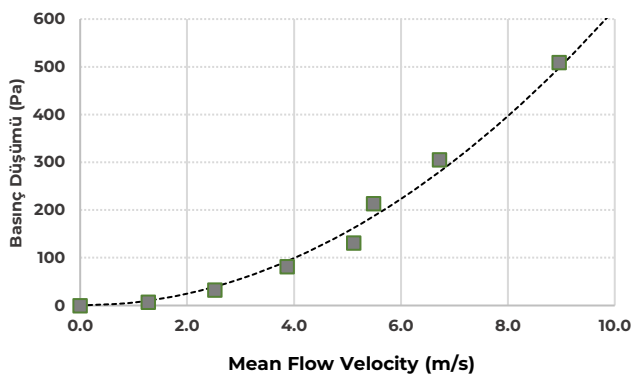
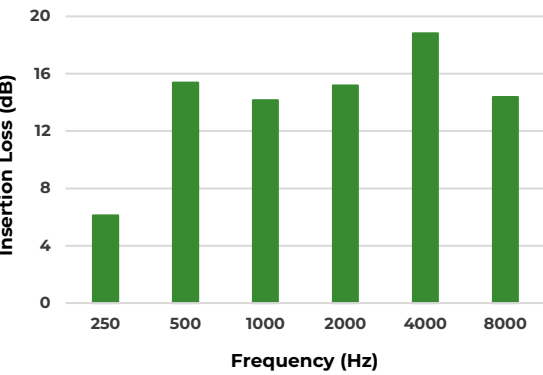
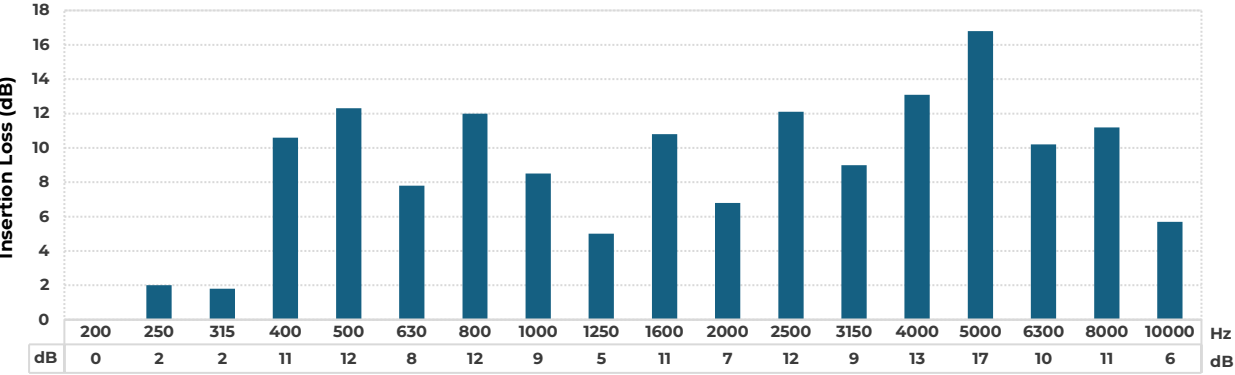
MetaSus MS-D10-004



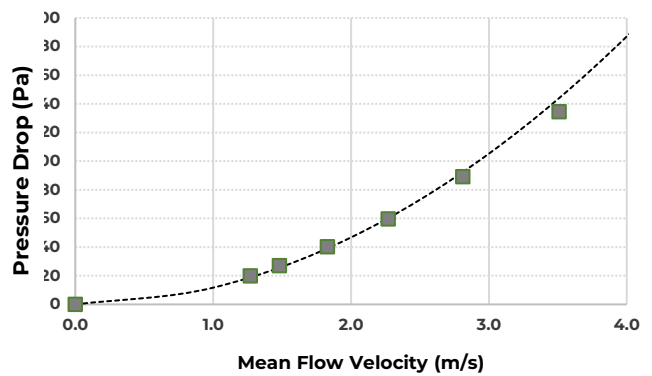
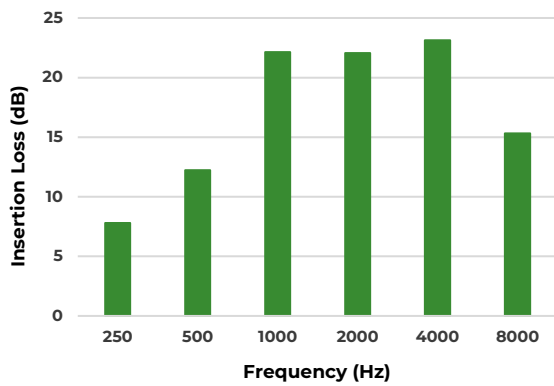
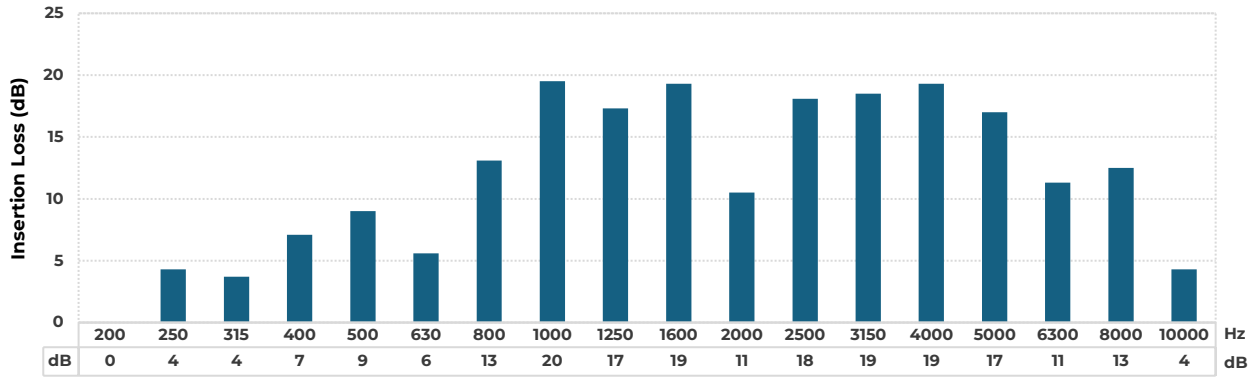
MetaSus MS-D10-005



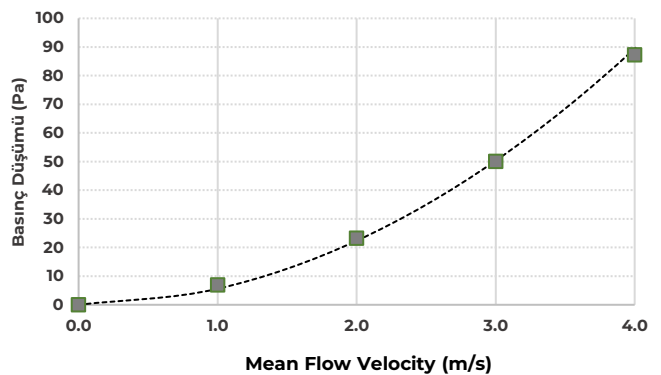
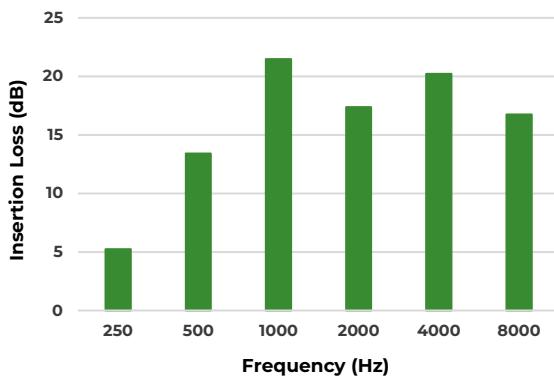
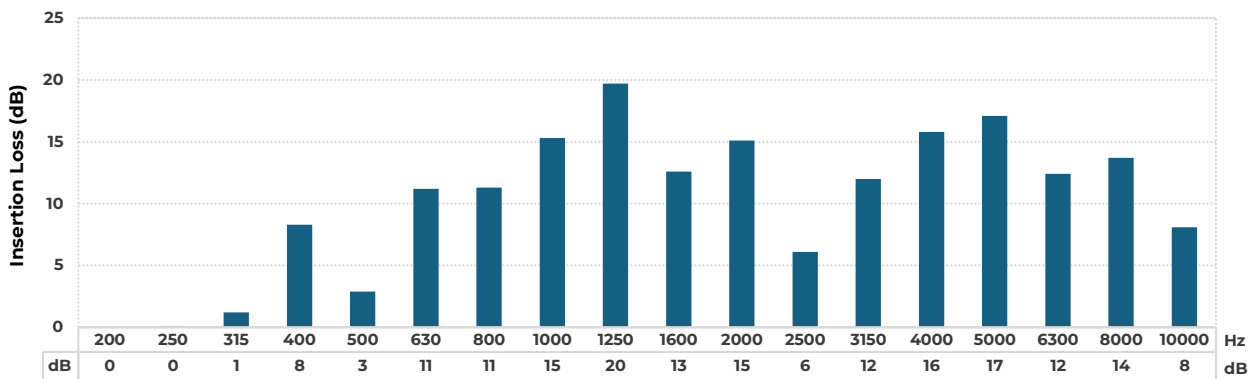
MetaSus MS-D10-006



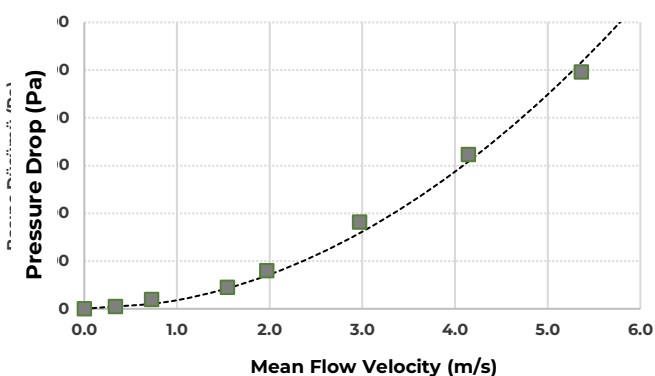
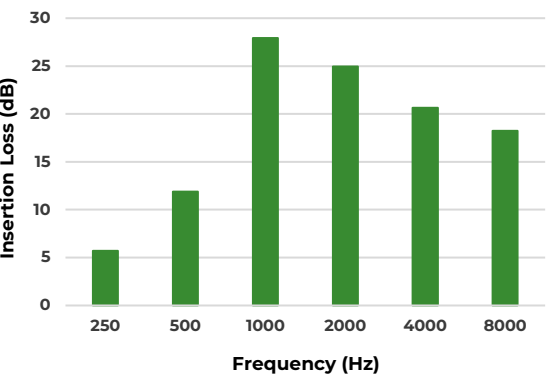
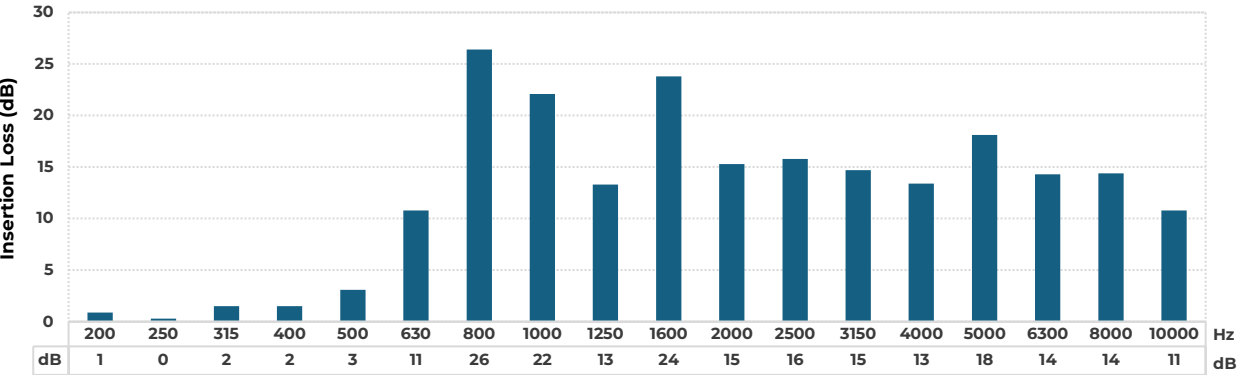
MetaSus MS-D10-007



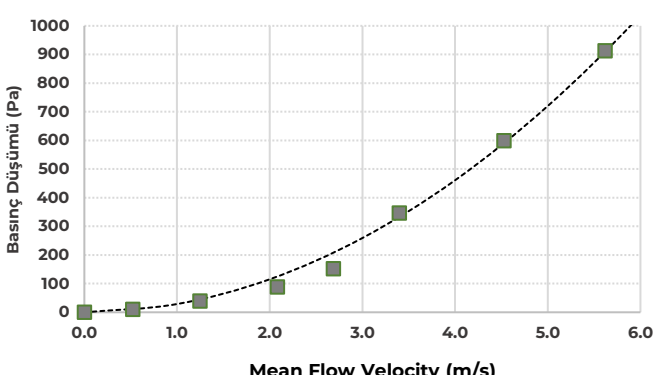
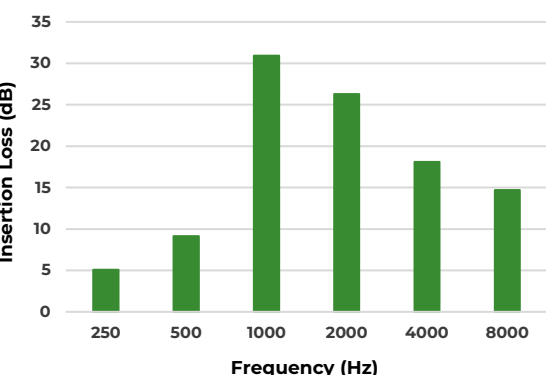
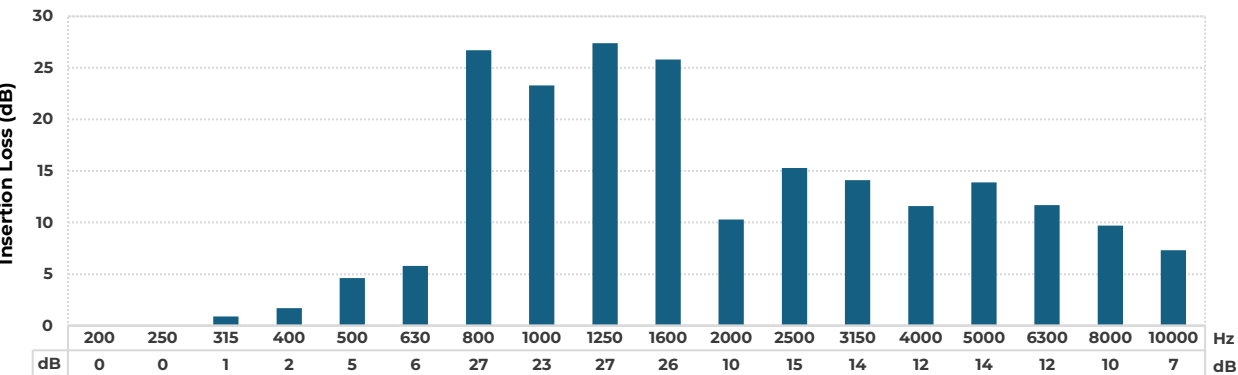
MetaSus MS-D10-008



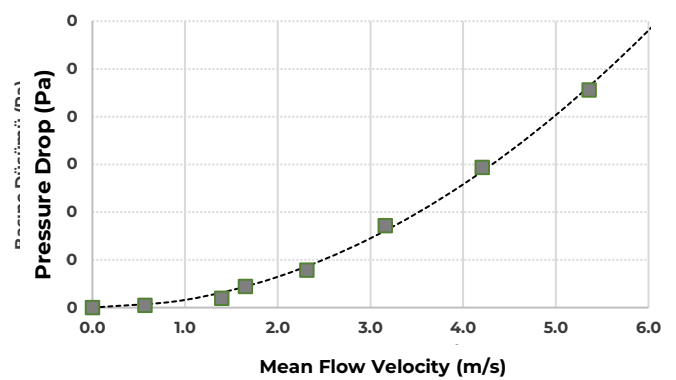
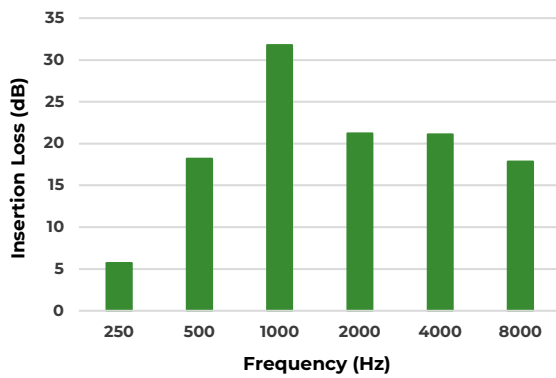
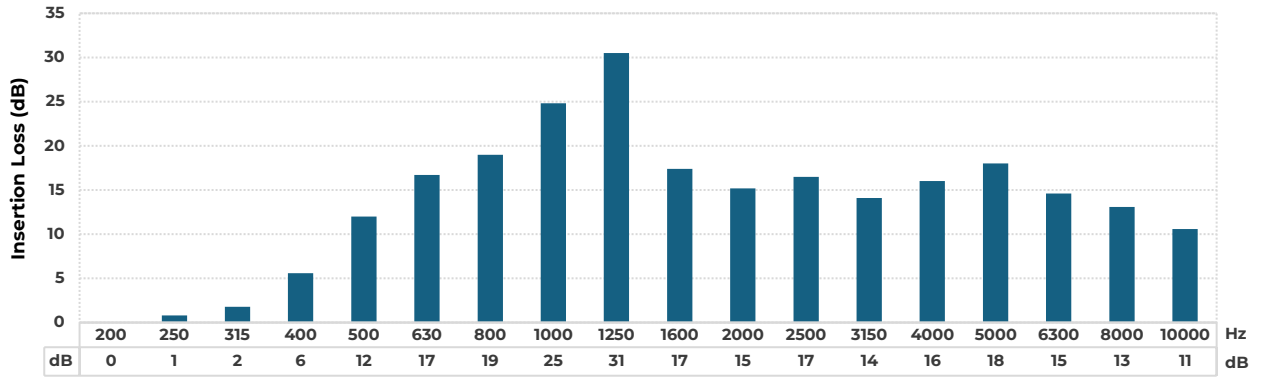
MetaSus MS-D15-001



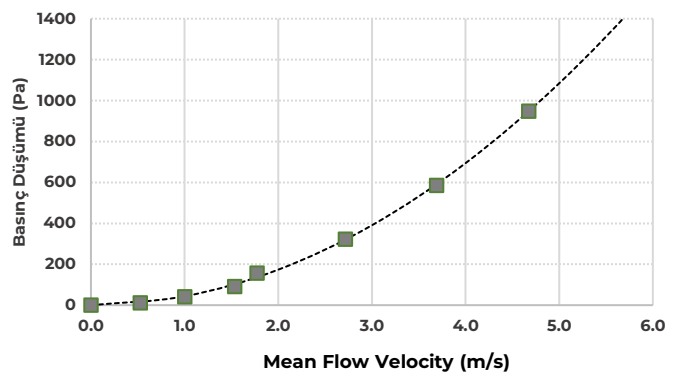
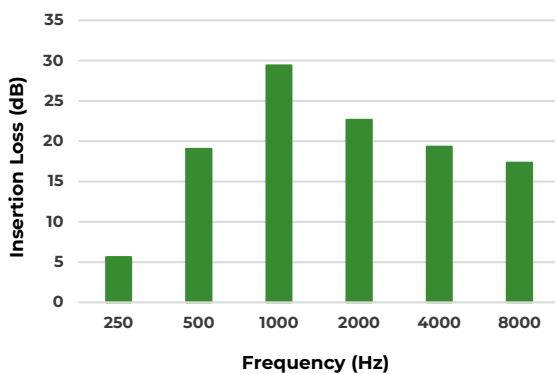
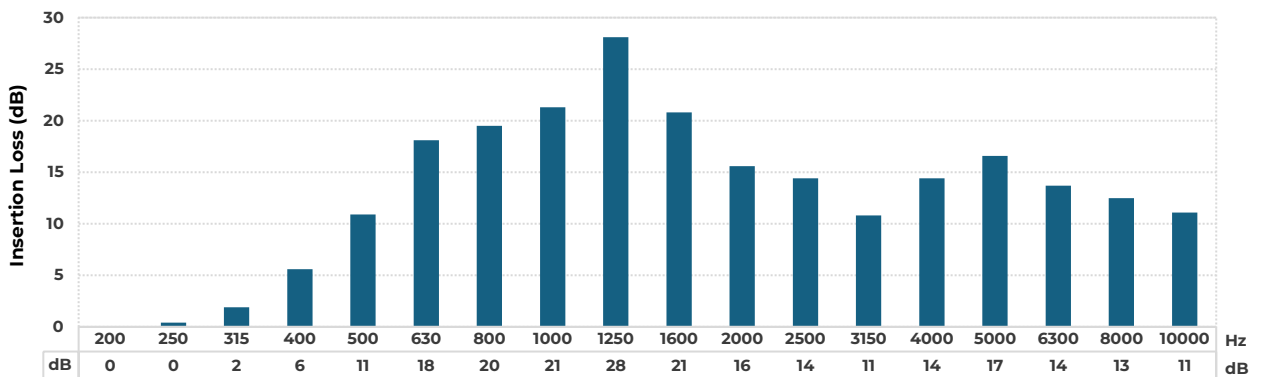
MetaSus MS-D15-002



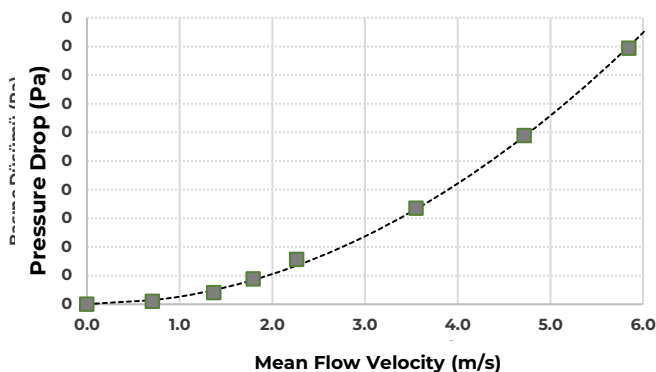
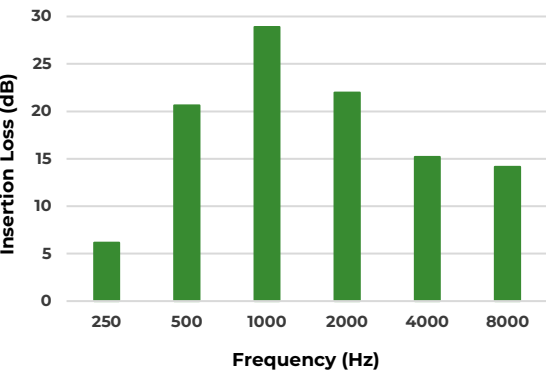
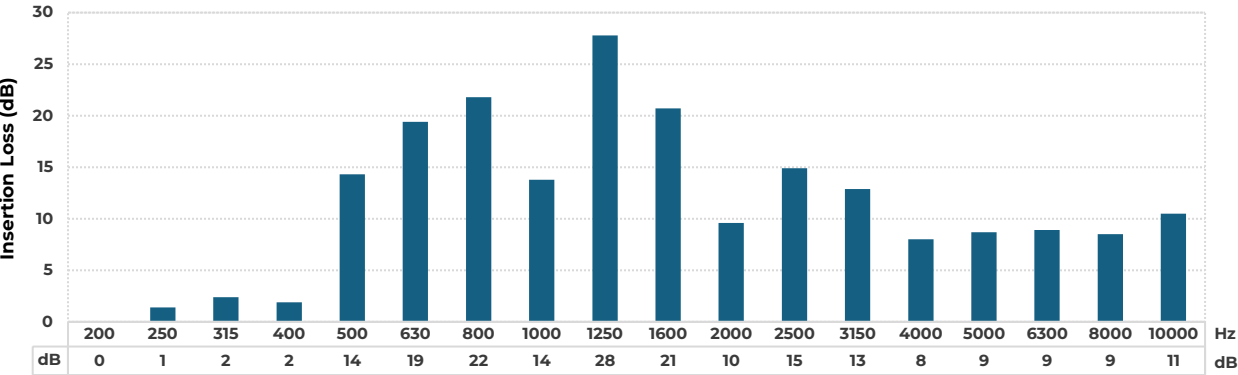
MetaSus MS-D15-003



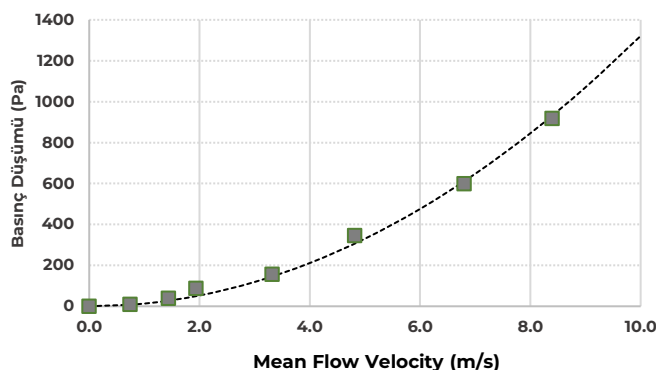
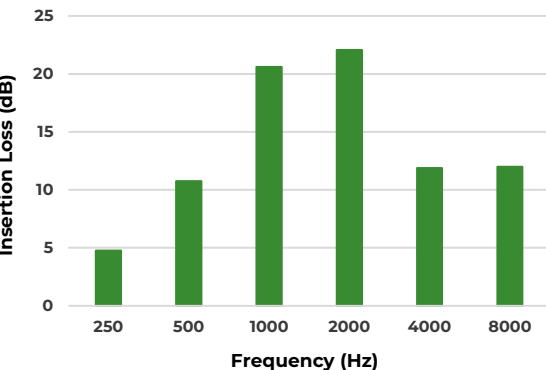
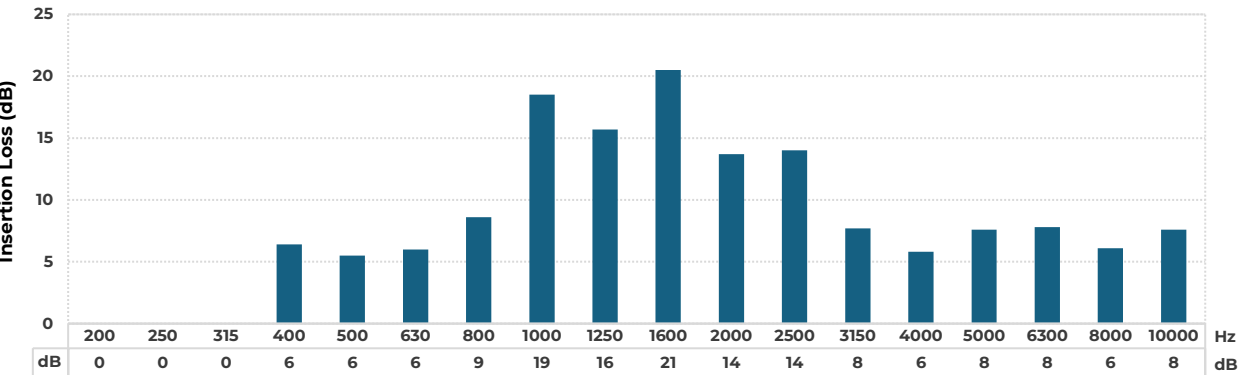
MetaSus MS-D15-004



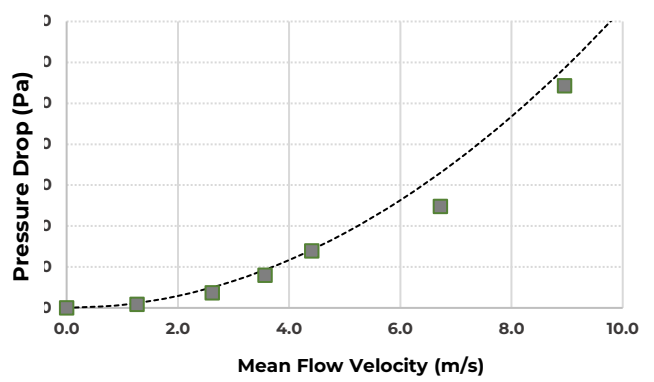
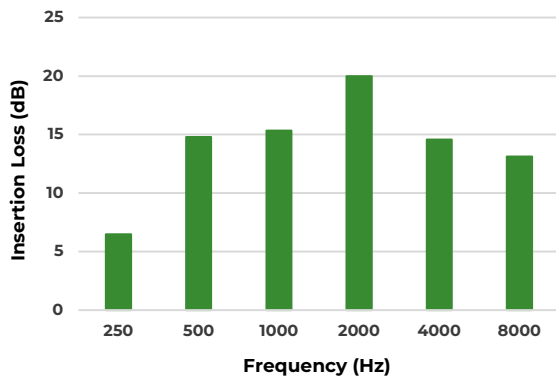
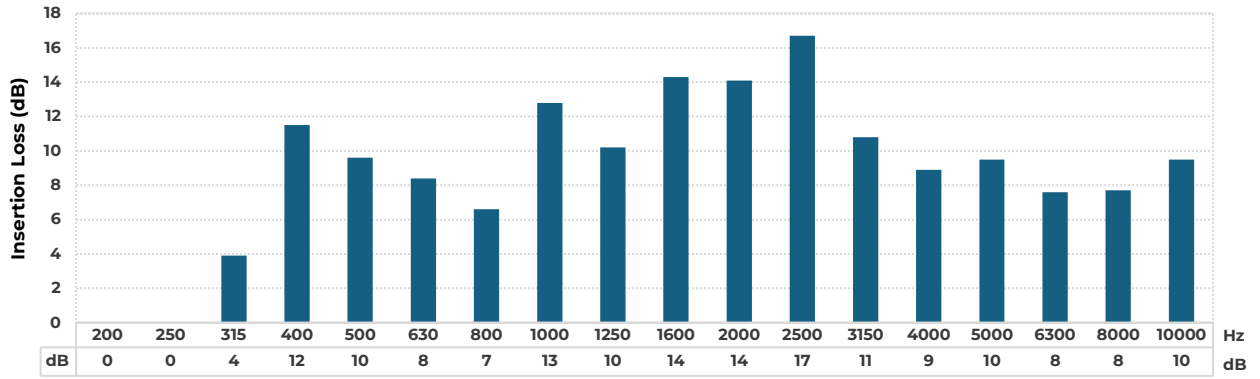
MetaSus MS-D15-005



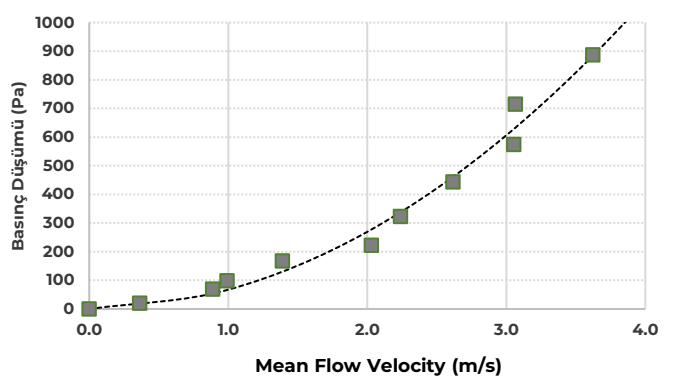
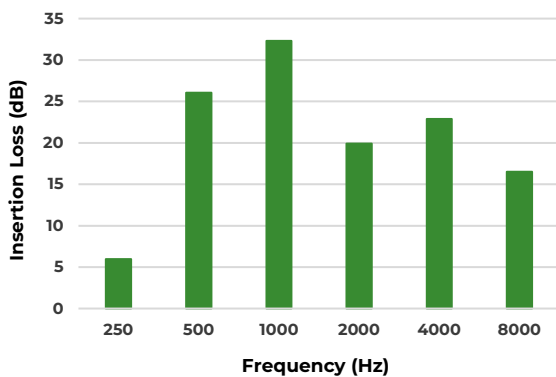
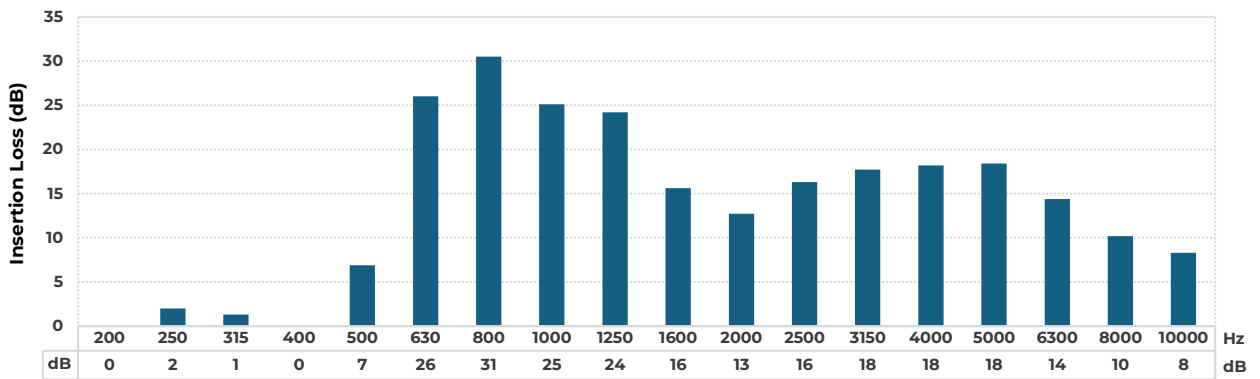
MetaSus MS-D15-006



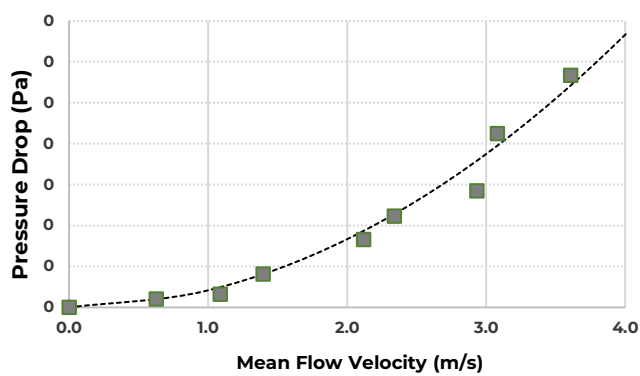
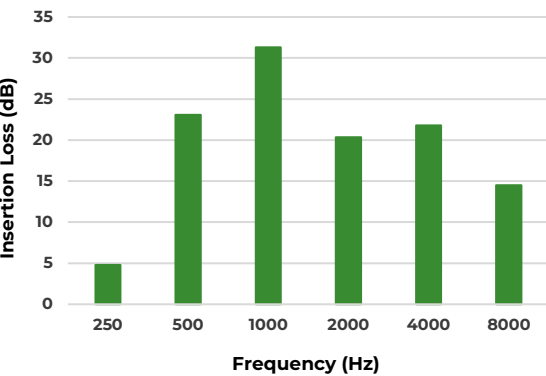
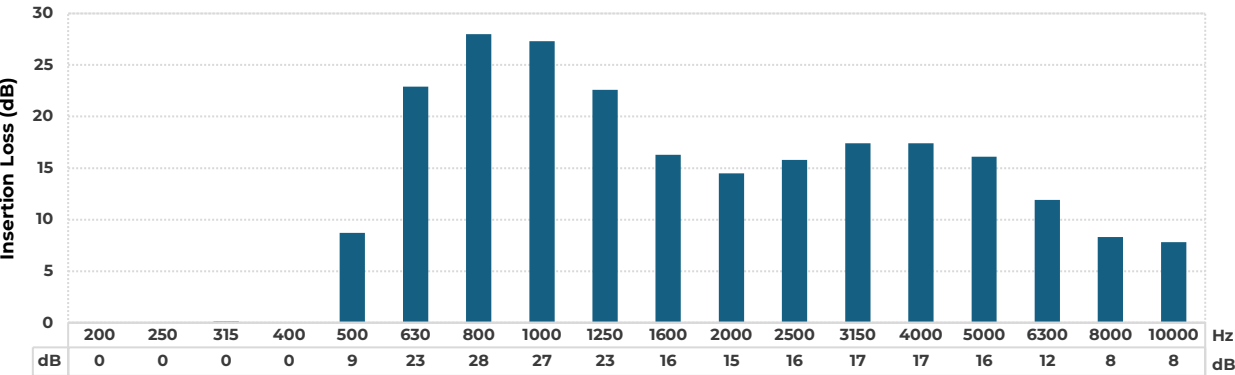
MetaSus MS-D15-007



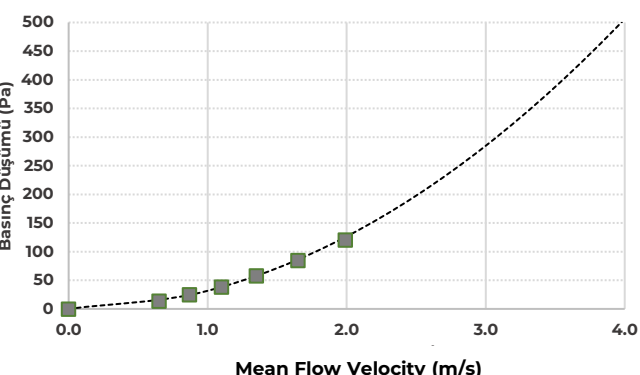
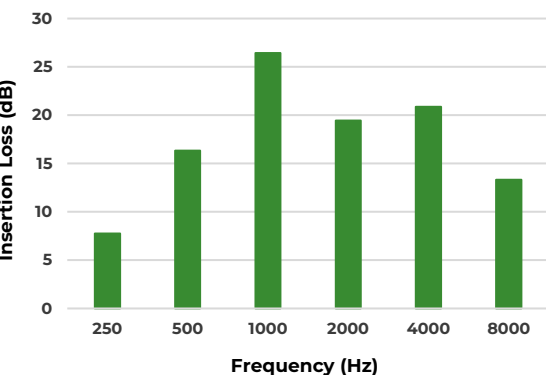
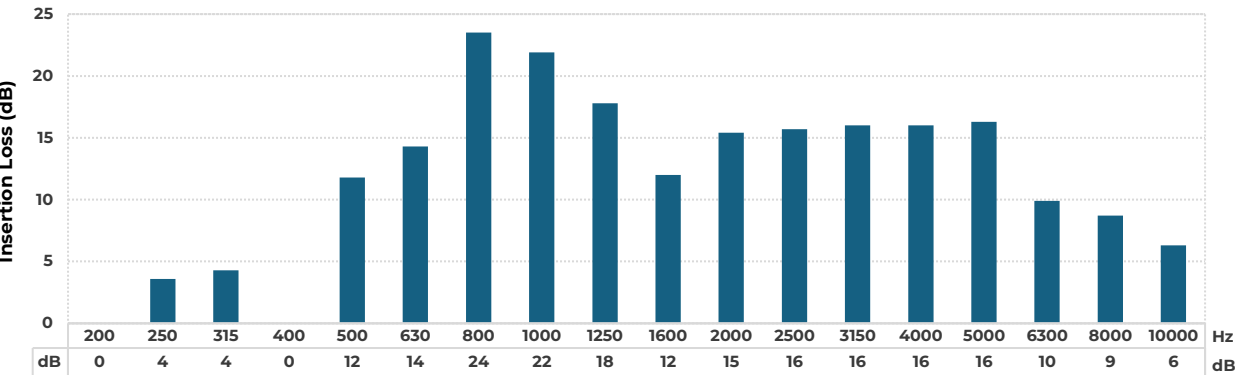
MetaSus MS-D20-001



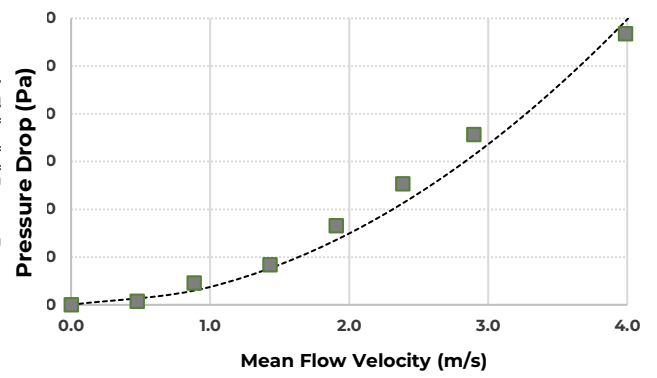
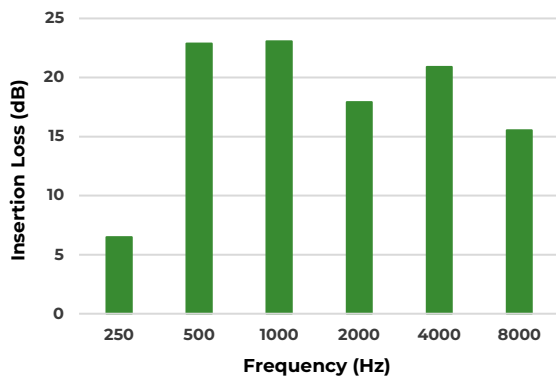
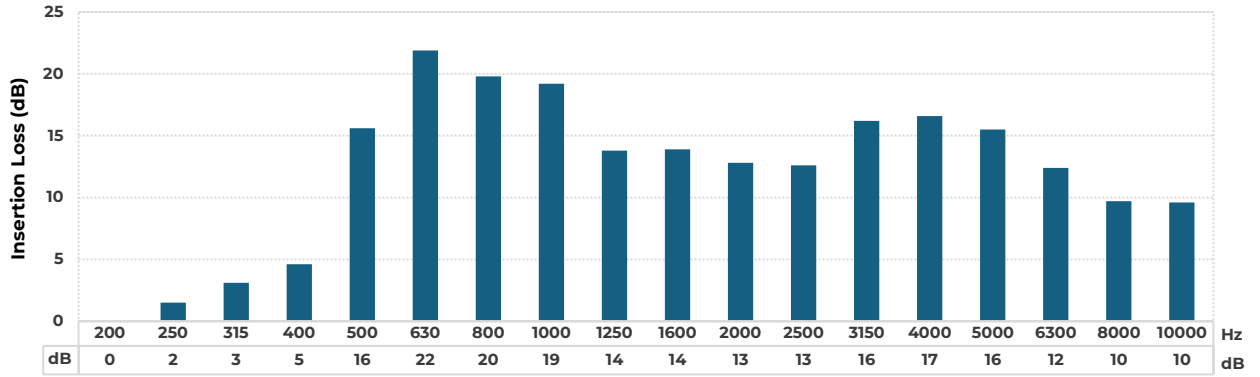
MetaSus MS-D20-002



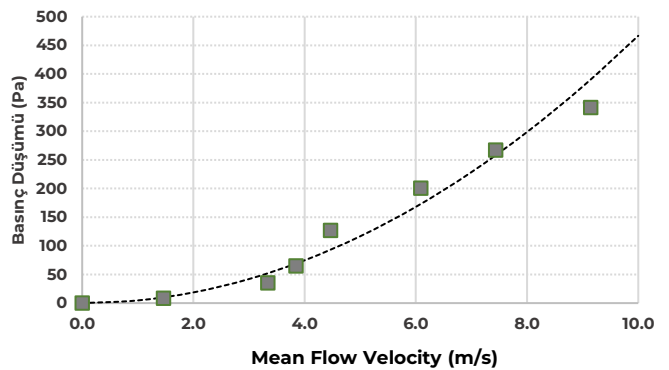
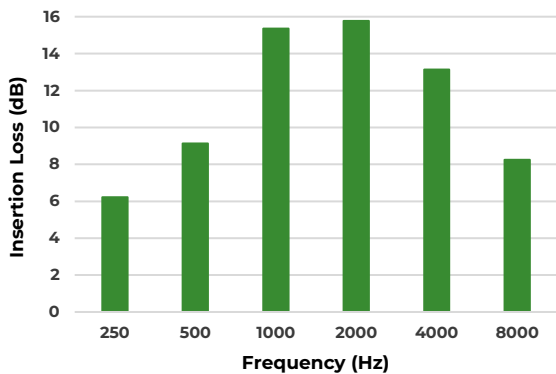
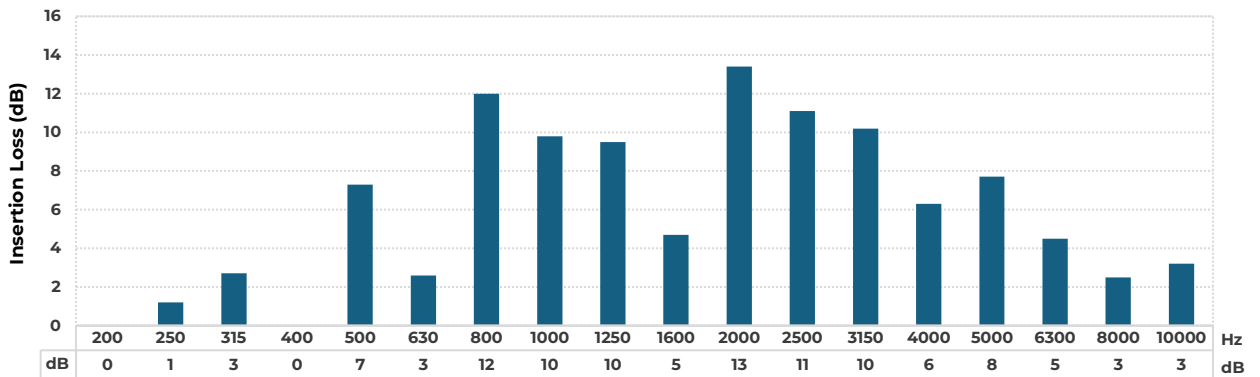
MetaSus MS-D20-003



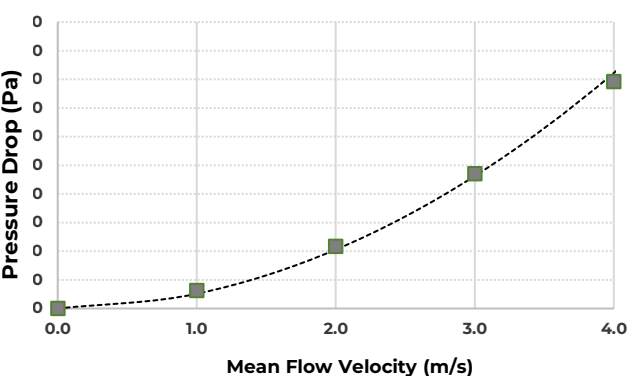
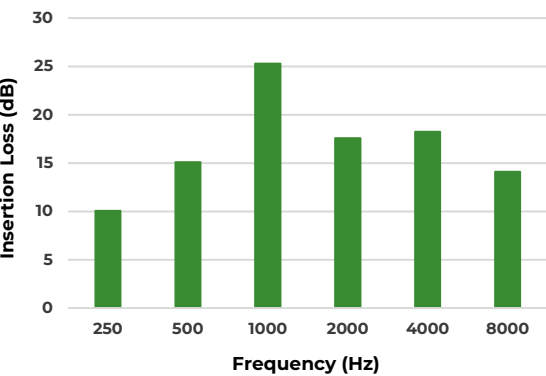
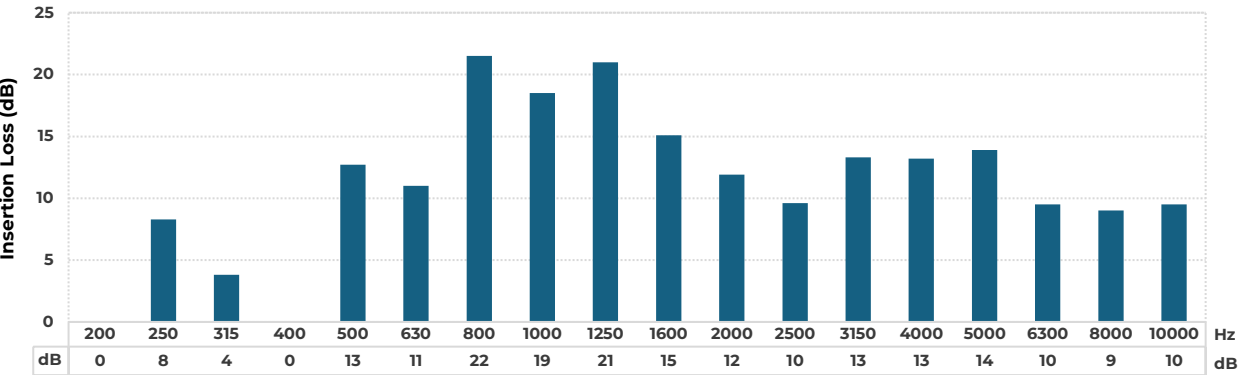
MetaSus MS-D20-004



MetaSus MS-D20-005



MetaSus MS-D20-006



MetaSus MS-D20-007

