

FLEXIBLE ACOUSTICALLY INSULATED AIR DUCT

ATTEFLEX

ACOUSTIC

The flexible air ducts **ATTEFLEX** are designed for installation in ventilation systems and are recommended when good acoustic performance is required, with a french **fire classification M0/M1**. They are particularly suitable for the connection of terminal elements of the air ductworks such as plenums or diffusers.



CONSTRUCTION

	Characteristics
Inner duct	Micro-perforated, certified M0
Sound proofing material	25 mm thick mineral wool, covered with an M1 certified aluminum vapor barrier Mineral wool fibers bound with the ECOSE Technology binder

PERFORMANCES

	Characteristics
Operating T°	from -30°C to +250°C
Acceptable max pressure	3000 Pa
Maximum air velocity	30 m/s
Bending radius	R=1 x Ø
Thermal conductivity	0.037 W/m.K

DIMENSIONS

Diameter	From 80 to 630 mm.
Length (mm)	10 ml compressed to 1 m

ATTENUATIONS

Insertion losses for a 25 mm thickness mineral wool.

Dia.	Length (ml)	Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
80	1	7.5	25.5	26.5	24.0	24.0	23.0	17.5	15.0
	3	30	53.5	56	49.5	47	46	41.5	35.5
100	1	6	21.5	30.5	29	29	27	13.5	10.5
	3	25.5	48.5	47.5	46	47.5	44.5	32	26
125	1	5	12.5	22	26	30	26	13	11.5
	3	10.5	29.5	45	44.5	42.5	42	30.5	25
160	1	6.5	21.5	29	24.5	21.5	22	11.5	8
	3	21	43.5	46	40	37.5	39	28	19.5
200	1	4	11	21.5	22	23	21.5	8.5	7
	3	12	28	43	29	37	36	20.5	12
250	1	6	14.5	19	17.5	16	13.5	5	4.5
	3	14.5	31	39.5	33	33.5	28	14	11
315	1	8.5	14	14	13	13.5	10.5	4	4.5
	3	22	40	33	28	30	23	11	9
355	1	6	11.5	13.5	11.5	11	8	3	4
	3	11.5	24	34	27.5	29	22	8.5	7
450	1	9.5	11	11	8	7.5	5.5	2	3.5
500	1	3	5.5	6	4.5	4.5	5	1	2