

Silencers SONEX Series



■ Features

- The Q-Tech high performance SONEX circular attenuators are the outcome of a testing and development programme in our insertion loss test facility
- Developed to provide high performances the SONEX range is designed for a number of applications
- Their prime use is for connecting to fans, but they are also ideal for connecting to supply air grilles or being positioned anywhere throughout a system where attenuation is necessary to remove noise generated by equipment
- In all situations they provide a known and dependable insertion loss, giving security to design engineers looking for quality installations in often difficult to handle situations

Testing

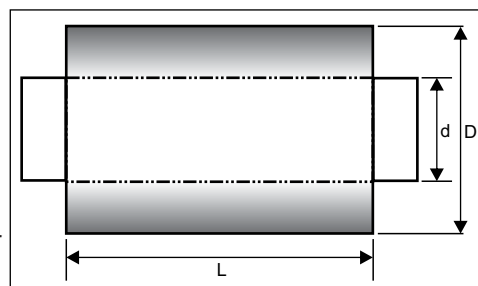
- All units have been tested in accordance with BS4718:1971 for

insertion loss. Air flow pressure loss data was obtained from tests conducted on a BS848:Part 1, 1980 test rig

- Pressure losses are little more than those which would occur over a comparable section of straight duct

Construction

- The attenuator consists of a perforated tubular liner manufactured from sheet steel. The liner is enclosed by a thick layer of mineral wool sound absorbing material. Casing and end plates are formed from galvanised sheet steel.



■ ATTENUATION DB MID FREQUENCY Hz ■ DIMENSIONS (mm)

Model	63	125	250	500	1K	2K	4K	d	D	L	Weight kg
010-030	3	3	9	17	23	26	25	100	200	300	2.5
010-060	6	9	15	34	40	40	37	100	200	600	4
010-090	10	13	21	40	45	39	36	100	200	900	7
012-030	3	3	7	16	20	24	22	125	225	300	3.5
012-060	5	8	13	29	35	35	32	125	225	600	4.5
012-090	10	12	19	37	40	38	34	125	225	900	8
015-030	3	3	6	13	19	23	22	150	260	300	4
015-060	5	7	12	24	30	35	31	150	260	600	6
015-090	8	10	15	32	38	37	34	150	260	900	9
020-060	4	6	10	20	27	33	19	200	300	600	7.5
020-090	8	9	14	28	32	35	28	200	300	900	11
020-120	10	12	17	36	41	43	28	200	300	1200	14
025-060	4	5	10	19	25	29	18	250	355	600	10
025-090	6	7	12	23	30	30	22	250	355	900	14.5
025-120	8	10	15	32	37	38	26	250	355	1200	18
031-060	4	5	8	15	20	22	17	315	400	600	13
031-090	5	7	10	20	30	29	18	315	400	900	17.5
031-120	7	9	13	22	32	33	19	315	400	1200	21
036-060	3	5	9	14	20	17	14	355	455	600	19
036-090	4	7	11	19	29	23	18	355	455	900	34
036-120	6	9	14	24	33	27	20	355	455	1200	43
040-090	3	5	9	19	26	20	13	400	606	900	38
040-120	6	8	14	24	30	28	17	400	606	1200	50
050-090	3	4	9	15	23	17	12	500	711	900	43
050-120	5	7	13	18	26	23	15	500	711	1200	60