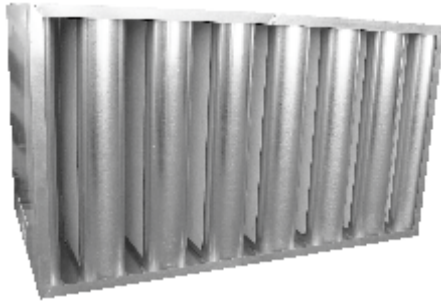


Q-SEAL RECTANGULAR DUCT ATTENUATORS



Features

Q-Seal attenuators have an impervious seal between the acoustic fill and ambient air.

They are used when no possibility of fibre fly or ambient contamination of the acoustic fill is allowable.

Application

Typical applications are as follows: -

- clean rooms
- operating theatres
- wet environments where attenuators are exposed to the elements
- kitchen exhaust systems
- applications where workers are sensitive to fibre exposure

Construction & Testing

The complete range of rectangular Q-Seal attenuators have been tested on the Q-Tech insertion loss test rig in full accordance with BS4718:1971.

It was found, during testing, that the performance of attenuators of standard construction but with an impervious membrane, was severely degraded.

To overcome the degradation and optimise performance, a unique combination of materials was developed to address the problem.

The result is a product that is fully supported by testing and, most importantly, with certified results that can be relied upon.

Pressure Loss

Refer to page G-7

Selection procedure

Refer to page G-8

Installation

Refer to page G-8

How to order

Refer to page G-9

Performance Data - Tapered Splitters

Model No. RT...QS	Length mm	Static Insertion Loss, dB								Module widths, mm
		Octave Band Centre Frequency (Hz)								
		63	125	250	500	1k	2k	4k	8k	
07A	600	3	5	10	18	20	18	12	9	275,550, 825,1100, 1375, 1650, 1925, 2200
07B	900	4	7	14	25	28	25	17	13	
07C	1200	5	10	20	32	38	32	22	16	
07D	1500	7	13	26	40	48	38	27	20	
07E	1800	7	17	31	44	50	42	30	23	
07F	2100	9	19	34	46	51	44	33	25	
07G	2400	10	22	38	49	52	47	35	27	
10A	600	3	5	9	15	17	14	10	8	300, 600, 900,1200, 1500, 1800, 2100, 2400
10B	900	4	7	13	22	24	20	14	11	
10C	1200	5	9	17	28	32	25	17	13	
10D	1500	6	12	21	34	40	30	21	15	
10E	1800	7	15	26	39	43	35	24	17	
10F	2100	8	17	29	42	46	38	26	19	
10G	2400	8	19	33	46	48	42	29	20	
12A	600	3	4	8	14	14	12	8	7	325, 650, 975, 1300, 1625, 1950, 2275
12B	900	4	6	11	20	21	17	11	10	
12C	1200	4	8	15	26	28	22	15	11	
12D	1500	5	10	18	32	35	27	18	12	
12E	1800	6	12	22	36	39	32	21	14	
12F	2100	7	13	26	40	43	35	23	16	
12G	2400	8	15	29	43	46	39	25	18	
15A	600	2	3	7	13	13	10	7	6	350, 700, 1050, 1400, 1750, 2100
15B	900	3	5	10	18	19	14	10	9	
15C	1200	3	6	13	24	25	19	13	10	
15D	1500	3	8	17	30	31	24	16	10	
15E	1800	4	10	21	34	35	28	18	12	
15F	2100	5	12	24	38	39	31	19	14	
15G	2400	6	13	27	41	42	34	21	16	
17A	600	2	3	6	11	12	9	6	5	375, 750, 1125, 1500, 1875, 2250
17B	900	3	4	9	16	17	12	8	7	
17C	1200	3	6	12	22	22	16	10	7	
17D	1500	3	7	16	27	28	20	12	8	
17E	1800	3	9	19	32	33	24	14	9	
17F	2100	4	10	21	35	36	26	16	10	
17G	2400	4	11	24	39	40	29	18	11	
20A	600	1	3	6	10	10	7	5	4	400, 800, 1200, 1600, 2000, 2400
20B	900	2	4	9	15	15	10	7	6	
20C	1200	2	5	12	20	19	14	8	6	
20D	1500	2	6	15	26	23	18	8	7	
20E	1800	3	8	18	30	28	21	11	8	
20F	2100	3	9	20	34	32	23	13	9	
20G	2400	3	10	22	37	36	25	15	10	
22A	600	1	2	5	9	9	6	4	4	425, 850, 1275, 1700, 2125
22B	900	2	3	7	13	13	8	6	5	
22C	1200	2	4	10	18	17	12	7	5	
22D	1500	2	5	12	23	21	15	7	5	
22E	1800	2	6	15	28	26	18	9	6	
22F	2100	2	7	18	31	30	20	11	7	
22G	2400	3	10	22	37	36	25	15	10	
25A	600	1	2	5	8	8	5	3	3	450, 900, 1350, 1800, 2250
25B	900	1	3	7	12	11	7	5	4	
25C	1200	1	4	9	16	15	10	5	4	
25D	1500	1	5	11	21	18	13	6	4	
25E	1800	2	5	14	26	23	16	8	5	
25F	2100	2	6	16	29	27	18	9	6	
25G	2400	2	7	18	33	31	20	11	7	