



Project Name and No:	Manchester Metropolitan University Science & Engineering - 25716
Submission No:	1338B-NGB-ZZ-ZZ-TS-M-024
Material/Product Reference:	<u>Plant Attenuators and Cross Talk Attenuators</u>
Manufacturer's Name, Address and Contact No:	Allaway Acoustics Old Police Station 1 Queens Road Hertford SG14 1EN
Proposed Location of Material/Plant on Project:	MMU - New Build
Specification References	1388B-HOL-XX-XX-SP-V-000001 MEP Generals Spec (New Build) 1388B-HOL-XX-XX-SP-V-000002 MEP Performance Spec (New Build) 9.14.1 MMU EMAP 54 Mandatory Equipment Schedule 1338B0BDP-XX-XX-RP-U-000002 Acoustic Report
List of Attachments:	• Crosstalk Technical Submittal • Attenuator Technical Submittal • NGB Co-Ordinated Ventilation Drawings • NGB Ventilation Schematics
Sample Included (Y/N)	No
Compliant with Specification (Y/N) If No state Non-Compliance	Yes

Date: 25/04/2022	Name (Printed) Kevin Rasmussen On behalf of NG Bailey
----------------------------	--

Approved/Approved with Comments	Name (Printed) XXX	Representative of: Hoare Lea	Date: XX/XX/2021
Comments:			

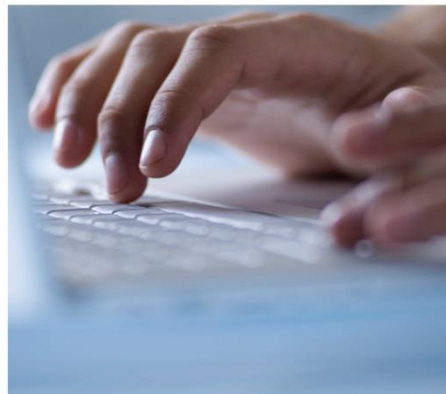
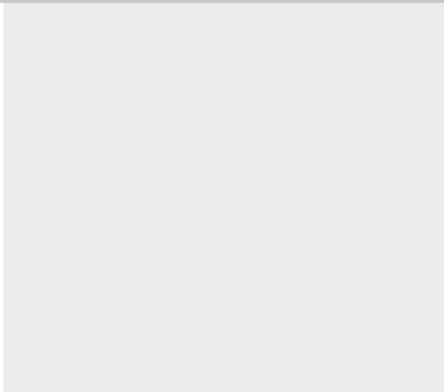
NG BAILEY

Manchester Metropolitan University – Science & Engineering

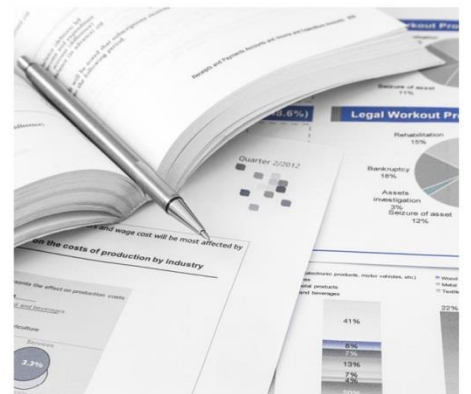
Technical Submission

1338B-NGB-ZZ-ZZ-TS-M-024

New Build-Plant and Crosstalk Attenuators



**+BOWMER
KIRKLAND**



NG Bailey

TECHNICAL SUBMISSION FOR – Mechanical

SUMMARY

Technical Submission No.	1338B-NGB-ZZ-ZZ-TS-M-024
Revision:	0
Package Description:	New Build Plant and Cross Talk Attenuators
Package Equipment:	This technical submittal is for the Main Plant and Cross Talk Attenuation on the New Build which is currently in line with the Co-ordinated WS5 ventilation drawings and the 1338B0BDP-XX-XX-RP-U-000002 Acoustic Report
Proposed Supplier:	Allaway Acoustics
Supplier Address:	Allaway Acoustics Old Police Station 1 Queens Road Hertford SG14 1EN
Building Locations:	MMU – Science & Engineering New Build
Compliance with Specification:	Yes
NGB Contact:	Kevin Rasmussen
NGB Contact Tel:	07980997084
NGB Contact E-mail:	kevin.rasmussen@ngbailey.co.uk
Raised By:	Kevin Rasmussen
Date Raised:	25/04/2022
Response Required By:	

OVERVIEW

OVERVIEW:

This technical submittal is for the Main Plant and Cross Talk Attenuation on the New Build which is currently in line with the Co-ordinated WS5 ventilation drawings and the 1338B0BDP-XX-XX-RP-U-000002 Acoustic Report

SUPPORTING DOCUMENTS

SUPPORTING DOCUMENTS:

- Crosstalk Technical Submittal
- Attenuator Technical Submittal
- NGB Co-ordinated Ventilation Drawings
- NGB Ventilation Schematics

APPROVAL STATUS

COMMENTS:

STATUS:

A

B

C

(Please Circle)

MADE BY:

DATE:

STATUS KEY

A – Approved

B – Approved with comments

C – Rejected with comments

Technical Submittal for Crosstalk Attenuators at MMU Science & Engineering

Revision	Date	Comments
01	20/04/2022	First Issue

Contents

ATTENUATOR SELECTION BASIS 3

ATTENUATOR SCHEDULE 4

 Schedule No. 12073726C7 4

ATTENUATOR DATA SHEETS 5

 A02G Rectangular/Flanged..... 5

 A13G Circular/Circular Spigot..... 5

ATTENUATOR SELECTION BASIS

The attenuators offered have been selected to suit the dimensional details, airflows & pressure drops shown NG Bailey schedule MMU-NGB-00-SH-M-510021 Rev P02.

AA ref: 73729C7/WT TS2_1
Date: 20 April 2022



ATTENUATOR SCHEDULE

Schedule No. 12073726C6

Item	System Reference	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
					mm	mm	mm	mm	m³/s	Pa	kg	Off.		63	125	250	500	1k	2k	4k	8k
1	CTA/GF/01	SL433	GJ	A02G	900		500	300	0.3	10	32	1	IL	7	12	19	31	45	41	35	25
2	CTA/GF/02	SL433	GJ	A02G	900		500	300	0.3	10	32	1	IL	7	12	19	31	45	41	35	25
3	CTA/GF/03	SL433	GJ	A02G	900		500	300	0.3	10	32	1	IL	7	12	19	31	45	41	35	25
4	CTA/GF/04	SL433	GJ	A02G	900		500	300	0.3	10	32	1	IL	7	12	19	31	45	41	35	25
5	CTA/GF/05	SL433	GJ	A02G	900		500	300	0.3	10	32	1	IL	7	12	19	31	45	41	35	25
6	CTA/GF/06	SL433	GJ	A02G	900		500	300	0.3	10	32	1	IL	7	12	19	31	45	41	35	25
7	CTA/GF/07	SL538	G	A02G	600		400	400	0.152	10	23	1	IL	4	8	13	19	26	22	18	11
8	CTA/GF/08	SL433	GJ	A02G	600		500	300	0.28	10	23	1	IL	5	9	14	22	34	31	25	18
9																					
10	CTA/01/01	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
11	CTA/01/02	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
12	CTA/01/03	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
13	CTA/01/04	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
14	CTA/01/05	SL433	GJ	A02G	600		500	300	0.144	10	23	1	IL	5	9	14	22	34	31	25	18
15	CTA/01/06	SL450	G	A02G	900		400	400	0.6	10	30	1	IL	4	7	14	22	29	22	19	11
16																					
17	CTA/02/01	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
18	CTA/02/02	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
19	CTA/02/03	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
20	CTA/02/04	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
21	CTA/02/05	SL433	GJ	A02G	600		500	300	0.144	10	23	1	IL	5	9	14	22	34	31	25	18
22	CTA/02/06	SL450	G	A02G	900		400	400	0.6	10	30	1	IL	4	7	14	22	29	22	19	11
23																					
24	CTA/03/01	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
25	CTA/03/01A	SL250	G	A02G	900		200	200	0.096	10	14	1	IL	2	5	11	24	46	42	36	22
26	CTA/03/02	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
27	CTA/03/02A	SL250	G	A02G	900		200	200	0.096	10	14	1	IL	2	5	11	24	46	42	36	22
28	CTA/03/03	SL433	GJ	A02G	900		500	300	0.144	10	32	1	IL	7	12	19	31	45	41	35	25
29	CTA/03/03A	SL250	G	A02G	900		200	200	0.144	20	14	1	IL	2	5	11	24	46	42	36	22
30	CTA/03/04	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
31	CTA/03/04A	SL250	G	A02G	900		200	200	0.072	10	14	1	IL	2	5	11	24	46	42	36	22
32	CTA/03/05 - NOT USED																				
33	CTA/03/06	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
34	CTA/03/06A	SL250	G	A02G	900		200	200	0.072	10	14	1	IL	2	5	11	24	46	42	36	22
35	CTA/03/07	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
36	CTA/03/07A	SL250	G	A02G	900		200	200	0.072	10	14	1	IL	2	5	11	24	46	42	36	22

Item	System	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB									
37	CTA/03/08	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25		
38	CTA/03/08A	SL250	G	A02G	900		200	200	0.072	10	14	1	IL	2	5	11	24	46	42	36	22		
39	CTA/03/09	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25		
40	CTA/03/09A	SL250	G	A02G	900		200	200	0.096	10	14	1	IL	2	5	11	24	46	42	36	22		
41	CTA/03/10	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25		
42	CTA/03/10A	SL250	G	A02G	900		200	200	0.072	10	14	1	IL	2	5	11	24	46	42	36	22		
43	CTA/03/11	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25		
44	CTA/03/11A	SL250	G	A02G	900		200	200	0.072	10	14	1	IL	2	5	11	24	46	42	36	22		
45	CTA/03/12A	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25		
46	CTA/03/12B	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25		
47	CTA/03/12C	SL443	GJ	A02G	900		500	350	0.3	10	33	1	IL	5	9	16	26	37	30	26	16		
48	CTA/03/13	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
49	CTA/03/13A	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
50	CTA/03/14	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22		
51	CTA/03/14A	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22		
52	CTA/03/15	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22		
53	CTA/03/15A	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22		
54	CTA/03/16	SL250	G	A02G	900		200	200	0.024	10	14	1	IL	2	5	11	24	46	42	36	22		
55	CTA/03/16A	PL	G	A13G	900	200			0.024	5	10	1	IL	1	3	7	19	28	23	20	15		
56	CTA/03/17	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
57	CTA/03/17A	PL	G	A13G	900	200			0.012	5	10	1	IL	1	3	7	19	28	23	20	15		
58	CTA/03/18	SL250	G	A02G	900		200	200	0.024	10	14	1	IL	2	5	11	24	46	42	36	22		
59	CTA/03/18A	PL	G	A13G	900	200			0.024	5	10	1	IL	1	3	7	19	28	23	20	15		
60	CTA/03/19	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
61	CTA/03/19A	PL	G	A13G	900	200			0.012	5	10	1	IL	1	3	7	19	28	23	20	15		
62	CTA/03/20	SL250	G	A02G	900		200	200	0.024	10	14	1	IL	2	5	11	24	46	42	36	22		
63	CTA/03/20A	PL	G	A13G	900	200			0.024	5	10	1	IL	1	3	7	19	28	23	20	15		
64	CTA/03/21	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
65	CTA/03/21A	PL	G	A13G	900	200			0.012	5	10	1	IL	1	3	7	19	28	23	20	15		
66	CTA/03/22	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
67	CTA/03/22A	PL	G	A13G	900	200			0.012	5	10	1	IL	1	3	7	19	28	23	20	15		
68	CTA/03/23	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
69	CTA/03/23A	PL	G	A13G	900	200			0.012	5	10	1	IL	1	3	7	19	28	23	20	15		
70	CTA/03/24	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22		
71	CTA/03/24A	PL	G	A13G	900	200			0.012	5	10	1	IL	1	3	7	19	28	23	20	15		
72	CTA/03/25	SL250	G	A02G	900		200	200	0.048	10	14	1	IL	2	5	11	24	46	42	36	22		
73	CTA/03/25A	SL250	G	A02G	900		200	200	0.048	10	14	1	IL	2	5	11	24	46	42	36	22		

Item	System	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
74	CTA/03/26	SL250	G	A02G	900		200	200	0.048	10	14	1	IL	2	5	11	24	46	42	36	22
75	CTA/03/26A	SL250	G	A02G	900		200	200	0.048	10	14	1	IL	2	5	11	24	46	42	36	22
76	CTA/03/27	SL433	GJ	A02G	600		500	300	0.084	10	23	1	IL	5	9	14	22	34	31	25	18
77																					
78	CTA/04/01	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
79	CTA/04/02	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
80	CTA/04/03	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
81	CTA/04/04	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
82	CTA/04/05 - NOT USED																				
83	CTA/04/06	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
84	CTA/04/07	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
85	CTA/04/08	SL433	GJ	A02G	900		500	300	0.156	10	32	1	IL	7	12	19	31	45	41	35	25
86	CTA/04/09	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
87	CTA/04/10	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
88	CTA/04/11	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
89	CTA/04/12	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
90	CTA/04/13	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
91	CTA/04/14	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
92	CTA/04/15	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
93	CTA/04/16A	SL433	GJ	A02G	900		500	300	0.144	10	32	1	IL	7	12	19	31	45	41	35	25
94	CTA/04/16B	SL433	GJ	A02G	900		500	300	0.144	10	32	1	IL	7	12	19	31	45	41	35	25
95	CTA/04/16C	SL433	GJ	A02G	900		500	300	0.288	10	32	1	IL	7	12	19	31	45	41	35	25
96	CTA/04/17	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
97	CTA/04/18	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
98	CTA/04/19	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22
99	CTA/04/20	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
100	CTA/04/21	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
101	CTA/04/22	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
102	CTA/04/23	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
103	CTA/04/24	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
104	CTA/04/25	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
105	CTA/04/26	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
106	CTA/04/27	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
107	CTA/04/28	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
108	CTA/04/29	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
109	CTA/04/30	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
110	CTA/04/31	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22

Item	System	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
111	CTA/04/32	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
112	CTA/04/33	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
113	CTA/04/34	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
114	CTA/04/35	SL433	GJ	A02G	600		500	300	0.012	10	23	1	IL	5	9	14	22	34	31	25	18
115	CTA/04/36A	SL433	GJ	A02G	900		500	300	0.102	10	32	1	IL	7	12	19	31	45	41	35	25
116	CTA/04/36B	SL433	GJ	A02G	900		500	300	0.102	10	32	1	IL	7	12	19	31	45	41	35	25
117																					
118	CTA/05/01	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
119	CTA/05/02	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
120	CTA/05/03	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
121	CTA/05/04	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
122	CTA/05/05 - NOT USED																				
123	CTA/05/06	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
124	CTA/05/07	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
125	CTA/05/08	SL433	GJ	A02G	900		500	300	0.156	10	32	1	IL	7	12	19	31	45	41	35	25
126	CTA/05/09	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
127	CTA/05/10	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
128	CTA/05/11	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
129	CTA/05/12	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
130	CTA/05/13	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
131	CTA/05/14	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
132	CTA/05/15	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
133	CTA/05/16A	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
134	CTA/05/16B	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
135	CTA/05/17	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
136	CTA/05/18	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
137	CTA/05/19	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22
138	CTA/05/20	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
139	CTA/05/21	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
140	CTA/05/22	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
141	CTA/05/23	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
142	CTA/05/24	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
143	CTA/05/25	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
144	CTA/05/26	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
145	CTA/05/27	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
146	CTA/05/28	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
147	CTA/05/29	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22

Item	System	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
148	CTA/05/30	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
149	CTA/05/31	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
150	CTA/05/32	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
151	CTA/05/33	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
152	CTA/05/34A	SL433	GJ	A02G	900		500	300	0.102	10	32	1	IL	7	12	19	31	45	41	35	25
153	CTA/05/34B	SL433	GJ	A02G	900		500	300	0.102	10	32	1	IL	7	12	19	31	45	41	35	25
154	CTA/05/35	SL433	GJ	A02G	600		500	300	0.084	10	23	1	IL	5	9	14	22	34	31	25	18
155																					
156	CTA/06/01	SL433	GJ	A02G	900		500	300	0.096	10	32	1	IL	7	12	19	31	45	41	35	25
157	CTA/06/02	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
158	CTA/06/03	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
159	CTA/06/04	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
160	CTA/06/05 - NOT USED																				
161	CTA/06/06	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
162	CTA/06/07	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
163	CTA/06/08	SL433	GJ	A02G	900		500	300	0.156	10	32	1	IL	7	12	19	31	45	41	35	25
164	CTA/06/09	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
165	CTA/06/10	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
166	CTA/06/11	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
167	CTA/06/12	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
168	CTA/06/13	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
169	CTA/06/14	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
170	CTA/06/15	SL433	GJ	A02G	900		500	300	0.072	10	32	1	IL	7	12	19	31	45	41	35	25
171	CTA/06/16A	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
172	CTA/06/16B	SL433	GJ	A02G	900		500	300	0.15	10	32	1	IL	7	12	19	31	45	41	35	25
173	CTA/06/17	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
174	CTA/06/18	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
175	CTA/06/19	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22
176	CTA/06/20	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
177	CTA/06/21	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
178	CTA/06/22	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
179	CTA/06/23	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
180	CTA/06/24	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
181	CTA/06/25	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
182	CTA/06/26	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
183	CTA/06/27	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
184	CTA/06/28	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22

Item	System	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
185	CTA/06/29	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
186	CTA/06/30	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
187	CTA/06/31	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
188	CTA/06/32A	SL433	GJ	A02G	900		500	300	0.102	10	32	1	IL	7	12	19	31	45	41	35	25
189	CTA/06/32B	SL433	GJ	A02G	900		500	300	0.102	10	32	1	IL	7	12	19	31	45	41	35	25
190	CTA/06/33	SL433	GJ	A02G	600		500	300	0.084	10	23	1	IL	5	9	14	22	34	31	25	18
191																					
192	CTA/07/01	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
193	CTA/07/02	SL250	G	A02G	900		200	200	0.012	10	14	1	IL	2	5	11	24	46	42	36	22
194	CTA/07/03	SL250	G	A02G	900		200	200	0.036	10	14	1	IL	2	5	11	24	46	42	36	22
195	CTA/07/04	SL433	GJ	A02G	600		500	300	0.084	10	23	1	IL	5	9	14	22	34	31	25	18

NOTES

LABEL WITH ITEM NO. & SYSTEM REF.

IL = INSERTION LOSS (dB)

G - SELF FINISH PRE-GALVANISED STEEL CONSTRUCTION.

J - SPLITTERS ARRANGED HORIZONTALLY.

ATTENUATORS DELIVERED WITH POLYTHENE BLOCKED ENDS

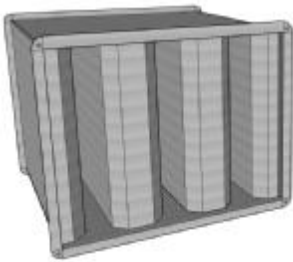
AA ref: 73729C7/WT TS2_1
Date: 20 April 2022



ATTENUATOR DATA SHEETS

A02G Rectangular/Flanged

SP

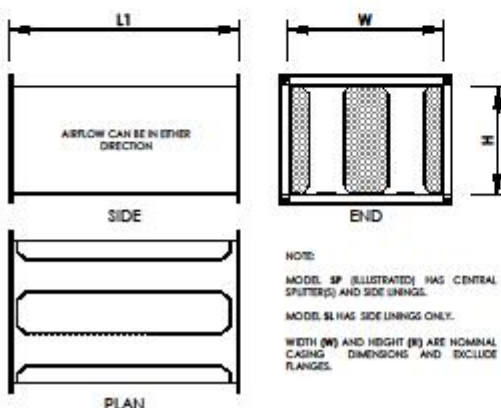


DATA SHEET **A02G**
RECTANGULAR ATTENUATOR
FLANGED
MODEL SP / MODEL SL

THIS IS NOT A STAND ALONE DOCUMENT AND UNLESS REFERRED TO IN A DATED EQUIPMENT SCHEDULE IS SUBJECT TO REVISION WITHOUT NOTICE.



DIMENSIONS



SPECIFICATION

ATTENUATORS ARE CONSTRUCTED IN ACCORDANCE WITH DW 144 SPECIFICATION FOR MEDIUM PRESSURE (CLASS B) DUCTWORK.

CASES ARE STIFFENED AND RITTED WITH PROPRIETARY FLANGES.

MODEL SP - HAS SOUND ABSORBENT SPLITTERS ARRANGED VERTICALLY WITHIN THE CASING TO FORM A SERIES OF CENTRAL ELEMENTS AND SIDE LININGS.

MODEL SL - HAS SOUND ABSORBENT SPLITTERS ARRANGED VERTICALLY WITHIN THE CASING TO FORM SIDE LININGS ONLY.

SPLITTERS AND SIDE LININGS CONTAIN A SOUND ABSORBENT INFILL THAT IS ENCAPSULATED WITH GLASS CLOTH AND PLAIN/PERFORATED STEEL.

SPLITTERS HAVE AERODYNAMIC FAIRINGS AT EACH END.

NOTES

THIS DATA SHEET IS TO BE READ IN CONJUNCTION WITH THE EQUIPMENT SCHEDULE.

LARGER ATTENUATORS WILL BE OF MODULAR CONSTRUCTION FOR EASE OF HANDLING AND MAY BE SPLIT ON THE LENGTH, WIDTH, HEIGHT OR COMBINATION THEREOF (SEE DATA SHEET A09 FOR DETAILS).

ATTENUATORS WILL BE SUPPLIED WITHOUT SUPPORT STEELWORK, BRACKETS, RINGS, GASKET, MASTIC OR OTHER SUCH ITEMS, UNLESS OTHERWISE STATED.

IT IS THE INSTALLERS RESPONSIBILITY TO PROVIDE THE FLANGE SEAL TO THE CONNECTING DUCT.

INSERTION LOSS, PRESSURE LOSS AND FLOW NOISE ARE DERIVED FROM TESTS CARRIED OUT IN ACCORDANCE WITH ISO 7235 AND MAY VARY DEPENDING ON INSTALLED CONDITIONS.

MANUFACTURING DIMENSIONAL TOLERANCE < 1.0 %.

SUFFIX

THE SUFFIX TO THE ATTENUATOR MODEL DEFINES THE MATERIAL OF FABRICATION AND ANY ADDITIONAL FEATURES OR SPECIAL CONSTRUCTIONAL DETAILS.

G - PRE-GALVANISED STEEL CONSTRUCTION.

S - GRADE 316 STAINLESS STEEL CONSTRUCTION.

H1 - HIGH TEMPERATURE APPLICATION (2 HOUR/300°C).

D - DOUBLE SKIN CASING (CASING SIZE W+50 x H+50).

C - HIGH PRESSURE APPLICATION (DW 144, CLASS C).

K - PROTECTIVE PAINT FINISH TO VISIBLE INTERNAL METAL SURFACES.

J - SPLITTERS AND/OR SIDE LININGS ARRANGED HORIZONTALLY.

M - MELINEX ENCAPSULATED INFILL.

Z(****) - MODULAR CONSTRUCTION (SEE DATA SHEET A09 FOR DETAILS).

X - SPECIAL CONSTRUCTION, REFER TO EQUIPMENT SCHEDULE FOR DETAILS.

FLANGE DETAILS

ATTENUATORS ARE FITTED WITH 30 mm PROFILE FLANGES COMPLYING WITH DW144 AND DW/TM1.

STANDARD SIZES

LENGTH (L1) - 600, 900, 1200, 1500, 1800, 2100, 2400, 2700, & 3000 mm.

WIDTH (W) - ANY DIMENSION ABOVE 149 mm.

HEIGHT (H) - ANY DIMENSION ABOVE 99 mm.

ALL ATTENUATORS ARE MADE TO ORDER.

NON STANDARD ATTENUATORS ARE AVAILABLE.

WEIGHT

WEIGHTS ARE GIVEN ON THE EQUIPMENT SCHEDULE.

MODULAR CONSTRUCTION

ATTENUATORS MANUFACTURED IN ONE SECTION WILL HAVE NO "Z" SUFFIX IN THE CODE.

WHEN ATTENUATORS ARE SUPPLIED IN MODULAR FORM, THE ACTUAL NUMBER OF SECTIONS IN THE LENGTH, WIDTH AND HEIGHT DEFINED BY THE "Z" SUFFIX, REFER TO DATA SHEET A09 FOR DETAILS.

Z	#	#	#
A "Z" SUFFIX IN THE ATTENUATOR CODE DENOTES THAT THE ATTENUATOR WILL BE SUPPLIED IN MODULES.	NUMBER OF MODULES IN LENGTH.	NUMBER OF MODULES IN WIDTH.	NUMBER OF MODULES IN HEIGHT.

Technical Submittal for Attenuators at MMU Science & Engineering

Revision	Date	Comments
01	20/04/2022	First Issue

Contents

ATTENUATOR SELECTION BASIS 3

ATTENUATOR SCHEDULE 4

 Schedule No. 12073726C7 4

ATTENUATOR DATA SHEETS 5

 A02G Rectangular/Flanged..... 5

 A13G Circular/Circular Spigot..... 5

AA ref: 73729C7/WT TS1_1
Date: 20 April 2022



ATTENUATOR SELECTION BASIS

The attenuators offered have been selected to suit the dimensional details, airflows & pressure drops shown NG Bailey schedule MMU-NGB-00-SH-M-510016 Rev P03.

AA ref: 73729C7/WT TS1_1
Date: 20 April 2022



ATTENUATOR SCHEDULE

Schedule No. 12073726C7

Item	System Reference	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
					mm	mm	mm	mm	m³/s	Pa	kg	Off.		63	125	250	500	1k	2k	4k	8k
1	ATT/GF/01 AHU02 INTAKE	SP2050	G	A02G	900		1900	700	6.672	40	133	1	IL	4	7	14	22	29	22	19	11
2	ATT/GF/02 AHU02 EXHAUST	SP2048	G	A02G	900		2500	1250	6.952	40	252	1	IL	4	8	15	23	32	25	21	13
3	ATT/GF/03 AHU02 EXTRACT	SP2050	G	A02G	1200		2500	1300	6.952	40	297	1	IL	5	10	18	28	36	28	24	14
4	ATT/GF/03 AHU02 SUPPLY	SP2050	G	A02G	1200		2500	1150	6.952	40	273	1	IL	5	10	18	28	36	28	24	14
5	ATT/GF/05 EF/GF/01 EXHAUST	PL	G	A13G	600	400			0.35	5	13	1	IL	2	3	6	15	19	14	13	10
6	ATT/GF/06 EF/GF/01 EXTRACT	PL	G	A13G	600	400			0.35	5	13	1	IL	2	3	6	15	19	14	13	10
7	ATT/GF/07 EF/GF/02 EXHAUST	PL	G	A13G	600	150			0.054	5	6	1	IL	1	2	6	16	23	19	17	12
8	ATT/GF/08 EF/GF/02 EXTRACT	PL	G	A13G	600	150			0.054	5	6	1	IL	1	2	6	16	23	19	17	12
9																					
10	ATT/01/01 AHU01 INTAKE	SP2048	G	A02G	900		1550	1550	4.139	40	186	1	IL	4	8	15	23	32	25	21	13
11	ATT/01/02 AHU01 SUPPLY	SP2050	G	A02G	1200		1400	700	4.1396	40	134	1	IL	5	10	18	28	36	28	24	14
12																					
13	ATT/05/01 AHU03 INTAKE	SP2050	GZ112	A02G	900		2500	1900	10.879	40	376	1	IL	4	7	14	22	29	22	19	11
14	ATT/05/02 AHU03 EXHAUST	SP2050	GZ112	A02G	900		2500	1900	10.884	40	376	1	IL	4	7	14	22	29	22	19	11
15	ATT/05/03 AHU03 EXTRACT	SP2050	GZ112	A02G	1200		2500	1900	10.884	40	476	1	IL	5	10	18	28	36	28	24	14
16	ATT/05/04 AHU03 SUPPLY	SP2050	GZ112	A02G	1200		2500	1900	10.879	40	476	1	IL	5	10	18	28	36	28	24	14
17	ATT/05/05 AHU05 INTAKE	SP2050	GZ112	A02G	900		2500	1600	5.868	40	338	1	IL	4	7	14	22	29	22	19	11
18	ATT/05/06 AHU05 EXHAUST	SP2050	GZ112	A02G	900		2500	1600	5.864	40	338	1	IL	4	7	14	22	29	22	19	11
19	ATT/05/07 AHU05 EXTRACT	SP2050	GZ112	A02G	1200		2500	1600	5.864	40	426	1	IL	5	10	18	28	36	28	24	14
20	ATT/05/08 AHU05 SUPPLY	SP2050	GZ112	A02G	1200		2500	1600	5.868	40	426	1	IL	5	10	18	28	36	28	24	14
21	ATT/05/09 AHU06 INTAKE	SP2050	GZ112	A02G	900		2500	1600	6.619	40	338	1	IL	4	7	14	22	29	22	19	11
22	ATT/05/10 AHU06 EXHAUST	SP2050	GZ112	A02G	900		2500	1600	6.269	40	338	1	IL	4	7	14	22	29	22	19	11
23	ATT/05/11 AHU06 EXTRACT	SP2050	GZ112	A02G	1200		2500	1600	6.269	40	426	1	IL	5	10	18	28	36	28	24	14
24	ATT/05/12 AHU06 SUPPLY	SP2050	GZ112	A02G	1200		2500	1600	6.619	40	426	1	IL	5	10	18	28	36	28	24	14
25																					
26	ATT/07/01 AHU04 INTAKE	SP2050	GZ121	A02G	900		2800	1700	9.322	40	332	1	IL	4	7	14	22	29	22	19	11
27	ATT/07/02 AHU04 EXHAUST	SP2050	GZ121	A02G	900		2800	1900	8.132	40	360	1	IL	4	7	14	22	29	22	19	11
28	ATT/07/03 AHU04 EXTRACT	SP2050	GZ121	A02G	1200		2800	1700	8.132	40	416	1	IL	5	10	18	28	36	28	24	14
29	ATT/07/04 AHU04 SUPPLY	SP2045	G	A02G	1200		1900	800	6.42	40	180	1	IL	6	11	20	32	43	34	30	18
30	ATT/07/05 AHU04 SUPPLY	SP2045	G	A02G	1200		900	800	2.9	40	110	1	IL	6	11	20	32	43	34	30	18
31	ATT/07/06 EF/07/01 EXHAUST	SP2050	GM	A02G	900		900	900	4.668	40	78	1	IL	4	8	13	19	23	16	14	9
32	ATT/07/06 EF/07/01 EXTRACT	SP2050	GM	A02G	1200		1100	1100	4.668	40	144	1	IL	5	10	17	23	28	20	18	12

NOTES

LABEL WITH ITEM NO. & SYSTEM REF.



PROJECT NAME: MMU SCIENCE & ENGINEERING NEW BUILD
DATE: 01/04/2022
CUSTOMER NAME: NG BAILEY LTD

PROJECT No: 73729
SCHEDULE No: 12073729C7
ORDER No: NW/144869

IL = INSERTION LOSS (dB)

G - SELF FINISH PRE-GALVANISED STEEL CONSTRUCTION.

M - MELINEX ENCAPSULATED INFILL.

Z - ATTENUATOR SUPPLIED IN MODULAR SECTIONS INDICATED. REFER TO DATA SHEET A09H & A20H.

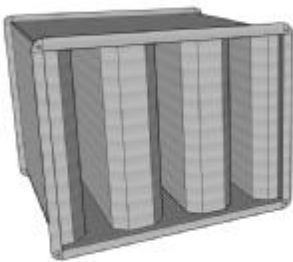
ATTENUATOR SELECTIONS BASED ON SCHEDULE MMU-NGB-NB-SH-M-510016 REV P03.

ATTENUATORS DELIVERED WITH POLYTHENE BLOCKED ENDS

ATTENUATOR DATA SHEETS

A02G Rectangular/Flanged
A13G Circular/Circular Spigot

SP



PL

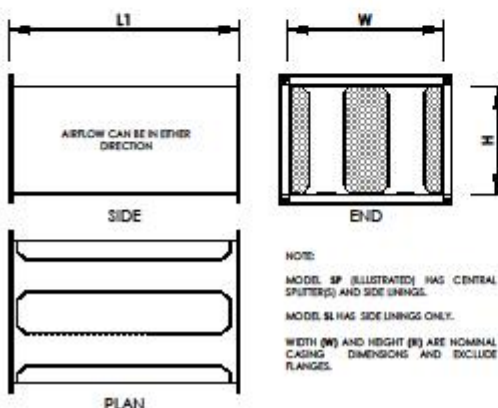


DATA SHEET **A02G** RECTANGULAR ATTENUATOR FLANGED MODEL **SP** / MODEL **SL**

THIS IS NOT A STAND ALONE DOCUMENT AND UNLESS REFERRED TO IN A DATED EQUIPMENT SCHEDULE IS SUBJECT TO REVISION WITHOUT NOTICE.



DIMENSIONS



SPECIFICATION

ATTENUATORS ARE CONSTRUCTED IN ACCORDANCE WITH DW 144 SPECIFICATION FOR MEDIUM PRESSURE (CLASS B) DUCTWORK.

CASES ARE STIFFENED AND RIGID WITH PROPRIETARY FLANGES.

MODEL **SP** - HAS SOUND ABSORBENT SPLITTERS ARRANGED VERTICALLY WITHIN THE CASING TO FORM A SERIES OF CENTRAL ELEMENTS AND SIDE LININGS.

MODEL **SL** - HAS SOUND ABSORBENT SPLITTERS ARRANGED VERTICALLY WITHIN THE CASING TO FORM SIDE LININGS ONLY.

SPLITTERS AND SIDE LININGS CONTAIN A SOUND ABSORBENT INFILL THAT IS ENCAPSULATED WITH GLASS CLOTH AND PLAIN/PERFORATED STEEL.

SPLITTERS HAVE AERODYNAMIC FAIRINGS AT EACH END.

NOTES

THIS DATA SHEET IS TO BE READ IN CONJUNCTION WITH THE EQUIPMENT SCHEDULE.

LARGER ATTENUATORS WILL BE OF MODULAR CONSTRUCTION FOR EASE OF HANDLING AND MAY BE SPLIT ON THE LENGTH, WIDTH, HEIGHT OR COMBINATION THEREOF (SEE DATA SHEET A09 FOR DETAILS).

ATTENUATORS WILL BE SUPPLIED WITHOUT SUPPORT STEELWORK, BRACKETS, RINGS, GASKET, MASTIC OR OTHER SUCH ITEMS, UNLESS OTHERWISE STATED.

IT IS THE INSTALLERS RESPONSIBILITY TO PROVIDE THE FLANGE SEAL TO THE CONNECTING DUCT.

INSERTION LOSS, PRESSURE LOSS AND FLOW NOISE ARE DERIVED FROM TESTS CARRIED OUT IN ACCORDANCE WITH ISO 7235 AND MAY VARY DEPENDING ON INSTALLED CONDITIONS.

MANUFACTURING DIMENSIONAL TOLERANCE < 1.0 %.

SUFFIX

THE SUFFIX TO THE ATTENUATOR MODEL DEFINES THE MATERIAL OF FABRICATION AND ANY ADDITIONAL FEATURES OR SPECIAL CONSTRUCTIONAL DETAILS.

G - PRE-GALVANISED STEEL CONSTRUCTION.

S - GRADE 316 STAINLESS STEEL CONSTRUCTION.

H1 - HIGH TEMPERATURE APPLICATION (2 HOUR/300°C).

D - DOUBLE SKIN CASING (CASING SIZE W+50 x H+50).

C - HIGH PRESSURE APPLICATION (DW 144, CLASS C).

K - PROTECTIVE PAINT FINISH TO VISIBLE INTERNAL METAL SURFACES.

J - SPLITTERS AND/OR SIDE LININGS ARRANGED HORIZONTALLY.

M - MELINEX ENCAPSULATED INFILL.

Z(*)** - MODULAR CONSTRUCTION (SEE DATA SHEET A09 FOR DETAILS).

X - SPECIAL CONSTRUCTION, REFER TO EQUIPMENT SCHEDULE FOR DETAILS.

FLANGE DETAILS

ATTENUATORS ARE FITTED WITH 30 mm PROFILE FLANGES COMPLYING WITH DW144 AND DW/TM1.

STANDARD SIZES

LENGTH (**L1**) - 600, 900, 1200, 1500, 1800, 2100, 2400, 2700, & 3000 mm.

WIDTH (**W**) - ANY DIMENSION ABOVE 149 mm.

HEIGHT (**H**) - ANY DIMENSION ABOVE 99 mm.

ALL ATTENUATORS ARE MADE TO ORDER.

NON STANDARD ATTENUATORS ARE AVAILABLE.

WEIGHT

WEIGHTS ARE GIVEN ON THE EQUIPMENT SCHEDULE.

MODULAR CONSTRUCTION

ATTENUATORS MANUFACTURED IN ONE SECTION WILL HAVE NO "Z" SUFFIX IN THE CODE.

WHEN ATTENUATORS ARE SUPPLIED IN MODULAR FORM, THE ACTUAL NUMBER OF SECTIONS IN THE LENGTH, WIDTH AND HEIGHT DEFINED BY THE "Z" SUFFIX, REFER TO DATA SHEET A09 FOR DETAILS.

Z	#	#	#
A "Z" SUFFIX IN THE ATTENUATOR CODE DENOTES THAT THE ATTENUATOR WILL BE SUPPLIED IN MODULES.	NUMBER OF MODULES IN LENGTH.	NUMBER OF MODULES IN WIDTH.	NUMBER OF MODULES IN HEIGHT.

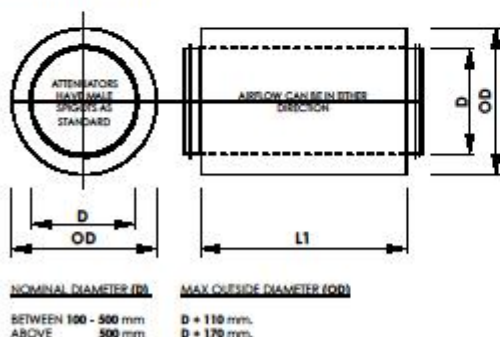
ALLAWAY ACOUSTICS LIMITED Old Police Station, 1 Queens Road, Hertford SG14 1EN
T | 01992 550825 E | enquiries@allawayacoustics.co.uk W | allawayacoustics.co.uk

DATA SHEET A13G
CIRCULAR ATTENUATOR
SPIGOT CONNECTION
MODEL PL (WITHOUT POD)
MODEL PLP (WITH POD)

THIS IS NOT A STAND ALONE DOCUMENT AND UNLESS REFERRED TO IN A DATED EQUIPMENT SCHEDULE IS SUBJECT TO REVISION WITHOUT NOTICE.



DIMENSIONS



LENGTH (L1) IS NOMINAL CASING DIMENSION, EXCLUDING SPIGOTS.

SPECIFICATION

ATTENUATORS ARE CONSTRUCTED IN ACCORDANCE WITH DW 144 SPECIFICATION FOR MEDIUM PRESSURE (CLASS B) DUCTWORK.

CASES ARE STIFFENED AND RITTED WITH MALE SPIGOTS WITH INTEGRAL SEALS.

SOUND ABSORBENT INFILL IS ENCAPSULATED WITH GLASS CLOTH AND PERFORATED STEEL.

CENTRAL PODS (TYPE PLP) HAVE AERODYNAMIC FAIRINGS AT EACH END.

NOTES

THIS DATA SHEET IS TO BE READ IN CONJUNCTION WITH THE EQUIPMENT SCHEDULE.

EXCESSIVELY LARGE OR HEAVY ATTENUATORS MAY BE MANUFACTURED IN MATING SECTIONS FOR EASE OF HANDLING.

ATTENUATORS WILL BE SUPPLIED WITHOUT SUPPORT STEELWORK, BRACKETS, RINGS, GASKET, MASTIC OR OTHER SUCH ITEMS, UNLESS OTHERWISE STATED.

IT IS THE INSTALLERS RESPONSIBILITY TO SEAL THE ATTENUATOR TO THE CONNECTING DUCT.

INSERTION LOSS, PRESSURE LOSS AND FLOW NOISE DATA ARE DERIVED FROM TESTS CARRIED OUT IN ACCORDANCE WITH ISO 7235 AND MAY VARY DEPENDING ON INSTALLED CONDITIONS.

MANUFACTURING DIMENSIONAL TOLERANCE < 1.0%.

WEIGHT

WEIGHTS ARE GIVEN ON THE EQUIPMENT SCHEDULE.

SUFFIX

THE SUFFIX TO THE ATTENUATOR MODEL DEFINES THE MATERIAL OF FABRICATION AND ANY ADDITIONAL FEATURES OR SPECIAL CONSTRUCTIONAL DETAILS.

G - PRE-GALVANISED STEEL CONSTRUCTION.

S - GRADE 316 STAINLESS STEEL CONSTRUCTION.

H1 - HIGH TEMPERATURE APPLICATION (2 HOUR/300°C).

C - HIGH PRESSURE APPLICATION (DW 144, CLASS C).

K - PROTECTIVE PAINT FINISH TO VISIBLE INTERNAL METAL SURFACES.

M - MELINEX ENCAPSULATED INFILL.

X - SPECIAL CONSTRUCTION, REFER TO EQUIPMENT SCHEDULE FOR DETAILS.

FLANGE DETAILS

ATTENUATORS ARE FITTED WITH MALE SPIGOTS AS STANDARD.

STANDARD SIZES

DIAMETER(D) - 100, 125, 150, 160, 180, 200, 250, 300, 315, 355, 400, 450, 500, 560 & 630 mm.

LENGTH (L1) - 600, 900, 1200, 1500, 1800, 2100, 2400, 2700 & 3000 mm.

ALL ATTENUATORS ARE MADE TO ORDER.

NON STANDARD SIZES AVAILABLE.

ALLAWAY ACOUSTICS LIMITED Old Police Station, 1 Queens Road, Hertford SG14 1EN
T | 01992 550825 E | enquiries@allawayacoustics.co.uk W | allawayacoustics.co.uk