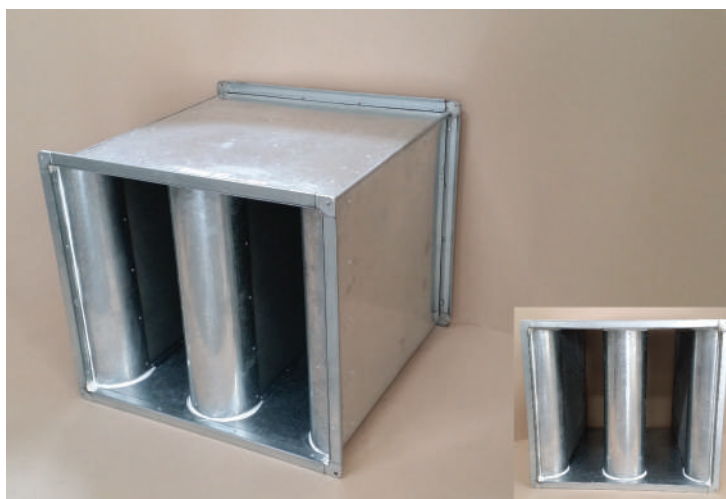


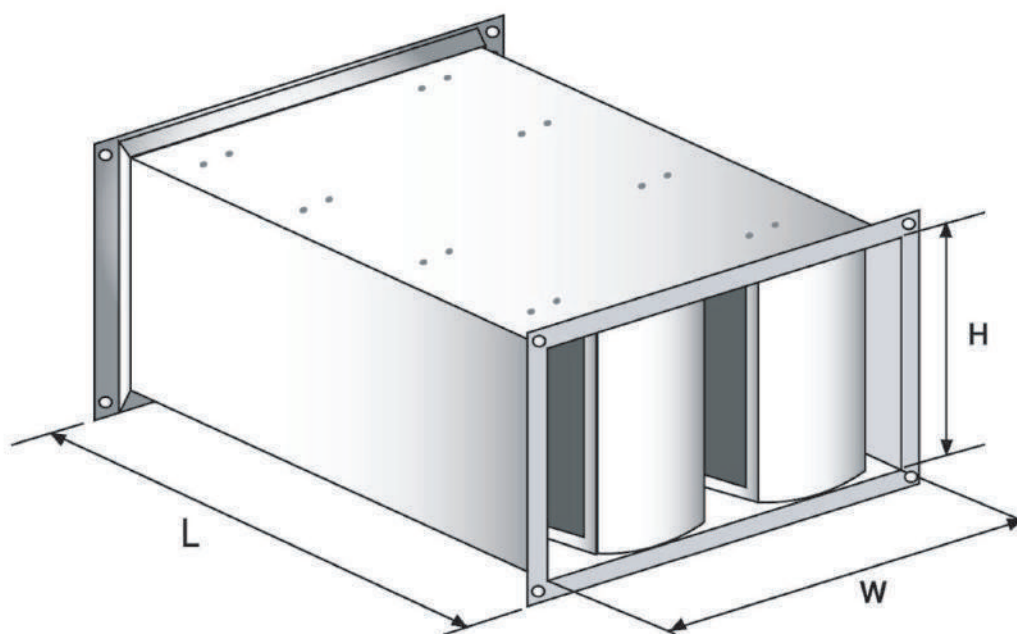


CONSTRUCTION

- CASING:
LOCK FORMED, PRE-GALVANISED STEEL SHEET OF 0.9mm THICKNESS. ALL FIXINGS ARE BY RIVETS.
- INSULATION :
2 INCH THICK ROCKWOOL FIBERS BOUND WITH THERMOSETTING BINDER FACED WITH VAPOR-RETARDANT ALUMINUM FOIL FROM ONE SIDE. AND COMPLIES WITH ASTM C612.
NON COMBUSTIBLE (EN ISO 1182)
50 KG/M³ DENSITY (ASTM C303).
FUNGI-RESISTANT (ASTM C665).
- SPLITTERS:
GALVANISED SHEET, BENDED TO FORM CHANNEL SECTIONS, FIXED WITH RIVETS. PERFORATED SHEET OF 0.7MM THICKNESS IS USED TO COVER THE SPLITTERS.
- FLANGES : ROLL FORMED DUCTO MATE 35mm FLANGES.



DIMENSIONS:



in collaboration with:  Donkin Fans

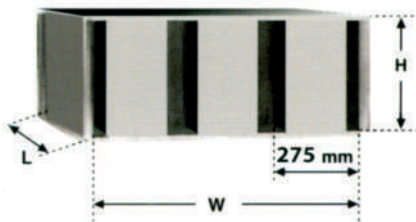
Ordering Key:

P	G	L	A	W	X	H	X	L
RECTANGULAR SOUND ATTENUATOR PGL MODEL								
AIRWAY CODE: A,B,C,D,E OR F								
SIZE: WIDTH X HEIGHT X LENGTH								





SOUND ATTENUATORS



SERIES PGL

**LOW PRESSURE LOSS RECTANGULAR ATTENUATORS
ATTENUATOR PERFORMANCE - AIR WAY CODE A**

Lengths 850 mm and 1150 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
850	7	11	19	33	38	35	27	23
1150	8	14	24	41	41	39	33	27

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	275	550	825	1100	1375	1650	1925	2200
300	0.38	0.76	1.14	1.52				
400	0.51	1.02	1.53	2.04	2.55			
500	0.65	1.29	1.94	2.58	3.23	3.87	4.52	
600	0.79	1.57	2.35	3.14	3.92	4.70	5.49	6.27
700	0.92	1.83	2.75	3.66	4.57	5.49	6.40	7.32
800	1.05	2.09	3.14	4.18	5.23	6.27	7.32	8.36
900	1.18	2.35	3.53	4.70	5.88	7.05	8.23	9.40
1000	1.31	2.62	3.92	5.23	6.53	7.84	9.14	10.5
1100	1.44	2.88	4.31	5.75	7.18	8.62	10.1	11.5
1200		3.14	4.70	6.27	7.84	9.40	11.0	12.6
1300		3.40	5.10	6.79	8.49	10.2	11.9	13.6
1400		3.66	5.49	7.32	9.14	11.0	12.8	14.7
1500		3.92	5.88	7.84	9.80	11.8	13.7	15.7
1600		4.18	6.27	8.36	10.5	12.6	14.7	16.8
1700		4.44	6.66	8.88	11.1	13.4	15.6	17.8
1800		4.70	7.05	9.40	11.8	14.1	16.5	18.8
1900		4.97	7.45	9.93	12.4	14.9	17.4	19.9
2000		5.23	7.84	10.5	13.1	15.7	18.3	20.9
2100		5.49	8.23	11.0	13.7	16.5	19.2	22.0
2200		5.75	8.62	11.5	14.4	17.3	20.1	23.0
2300			9.01	12.1	15.1	18.1	21.1	24.1
2400			9.40	12.6	15.7	18.8	22.0	25.1*

Lengths 1450 mm and 1750 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
1450	9	17	29	46	44	42	37	31
1750	10	20	35	50	46	44	39	35

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	275	550	825	1100	1375	1650	1925	2200
300	0.34	0.68	1.01	1.35				
400	0.46	0.91	1.37	1.82	2.28			
500	0.58	1.16	1.73	2.31	2.89	3.47	4.04	
600	0.71	1.41	2.11	2.81	3.52	4.22	4.92	5.62
700	0.82	1.64	2.46	3.28	4.10	4.92	5.74	6.56
800	0.94	1.88	2.81	3.75	4.69	5.62	6.56	7.50
900	1.06	2.11	3.16	4.22	5.27	6.33	7.38	8.43
1000	1.17	2.35	3.52	4.69	5.86	7.03	8.20	9.37
1100	1.29	2.58	3.87	5.16	6.44	7.73	9.02	10.3
1200		2.81	4.22	5.62	7.03	8.43	9.84	11.3
1300		3.05	4.57	6.09	7.61	9.14	10.7	12.2
1400		3.28	4.92	6.56	8.20	9.84	11.5	13.2
1500		3.52	5.27	7.03	8.78	10.6	12.3	14.1
1600		3.75	5.62	7.50	9.37	11.3	13.2	15.0*
1700		3.98	5.97	7.96	9.96	12.0	14.0	16.0*
1800		4.22	6.33	8.43	10.6	12.7	14.8*	16.9*
1900		4.45	6.68	8.90	11.2	13.4	15.6*	
2000		4.69	7.03	9.37	11.7	14.1	16.4*	
2100		4.92	7.38	9.84	12.3	14.8*	17.2*	
2200		5.16	7.73	10.3	12.9	15.5*		
2300			8.08	10.8	13.5	16.2*		
2400			8.43	11.3	14.1	16.9*		* SEE NOTE 7

Lengths 2050 mm and 2350 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
2050	12	23	40	50	50	45	43	41
2350	13	26	44	50	50	46	46	43

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	275	550	825	1100	1375	1650	1925	2200
300	0.31	0.62	0.92	1.23				
400	0.42	0.83	1.25	1.66	2.08			
500	0.53	1.06	1.58	2.11	2.63	3.16	3.69	
600	0.65	1.29	1.93	2.57	3.21	3.85	4.49	5.14
700	0.75	1.50	2.25	3.00	3.75	4.49	5.24	5.99
800	0.86	1.71	2.57	3.43	4.28	5.14	5.99	6.85
900	0.97	1.93	2.89	3.58	4.82	5.78	6.74	7.70
1000	1.07	2.14	3.21	4.28	5.35	6.42	7.49	8.56
1100	1.18	2.36	3.53	4.71	5.88	7.06	8.24	9.41
1200		2.57	3.85	5.14	6.42	7.70	8.99	10.3*
1300		2.78	4.17	5.56	6.95	8.34	9.73	11.2*
1400		3.00	4.49	5.99	7.49	8.99	10.5*	
1500		3.21	4.82	6.42	8.02	9.63	11.3*	
1600		3.43	5.14	6.85	8.56	10.3*		
1700		3.64	5.46	7.27	9.09	10.9*		
1800		3.85	5.78	7.70	9.63*			
1900		4.07	6.10	8.13	10.2*			
2000		4.28	6.42	8.56	10.7*			
2100		4.49	6.74	8.99	11.3*			
2200		4.71	7.06	9.41				
2300			7.38	9.84				
2400			7.70	10.3*				*SEE NOTE 7

NOTES:

1. Tabulated volume flow rates will result at 60 Pa pressure losses for ducted attenuators, at air density of 1.2 kg/m³
2. Pressure loss varies in proportion to density.
3. Pressure loss varies in proportion to the square of the volume flow rate.
4. Maximum allowable volume flow rate is 1.25* the values given in the tables, pressure loss varying in proportion to the square of the factor.
5. Approximate regenerated noise levels.

Volume Flow Rate	NC	A-Scale
Over 0.63 to 0.8 * Tabulated Values	30	35
Over 0.8 to 1.0 * Tabulated Values	35	40
Over 1.0 to 1.25 * Tabulated Values	40	45

6. Tabulated values apply to attenuators ducted both sides. For plenum entry and/or discharge the pressure loss is to be multiplied by the appropriate factor below.

Length	Plenum to Duct	Duct to Plenum	Plenum to Plenum
850/1150	1.15	2.78	3.03
1450/1750	1.13	2.51	2.63
2050/2350	1.10	2.26	2.60

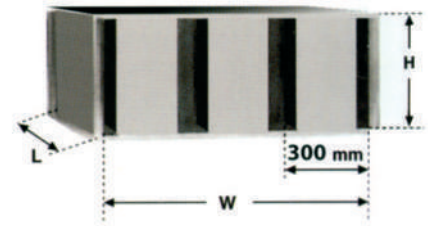
7. Selection marked * are available only with the shorter attenuator





SERIES PGL

**LOW PRESSURE LOSS RECTANGULAR ATTENUATORS
ATTENUATOR PERFORMANCE - AIR WAY CODE B**



Lengths 850 mm and 1150 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
850	7	10	16	31	37	31	22	18
1150	8	12	21	40	40	36	28	21

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)						
	300	600	900	1200	1500	1800	2100
300	0.53	1.05	1.57	2.09			
400	0.71	1.41	2.12	2.82	3.53		
500	0.90	1.79	2.68	3.57	4.47	5.36	
600	1.09	2.17	3.26	4.34	5.43	6.51	7.60
700	1.27	2.53	3.80	5.07	6.33	7.60	8.86
800	1.45	2.90	4.34	5.79	7.24	8.68	10.2
900	1.63	3.26	4.88	6.51	8.14	9.77	11.4
1000	1.81	3.62	5.43	7.24	9.04	10.9	12.7
1100	1.99	3.98	5.97	7.96	9.95	12.0	14.0
1200	2.17	4.34	6.51	8.68	10.9	13.1	15.2
1300		4.70	7.05	9.40	11.8	14.1	16.5
1400		5.07	7.60	10.2	12.7	15.2	17.8
1500		5.43	8.14	10.9	13.6	16.3	19.0
1600		5.79	8.68	11.6	14.5	17.4	20.3
1700		6.15	9.22	12.3	15.4	18.5	21.6
1800		6.51	9.77	13.1	16.3	19.6	22.8
1900		6.87	10.3	13.8	17.2	20.6	24.1
2000		7.24	10.9	14.5	18.1	21.7	25.3
2100		7.60	11.4	15.2	19.0	22.8	26.6
2200		7.96	12.0	15.9	19.9	23.9	27.9
2300		8.32	12.5	16.7	20.8	25.0	29.1
2400		8.68	13.1	17.4	21.7	26.1	30.4

Lengths 1450 mm and 1750 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
1450	8	14	25	46	53	41	34	24
1750	9	16	30	50	45	43	38	27

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)						
	300	600	900	1200	1500	1800	2100
300	0.46	0.92	1.38	1.83			
400	0.63	1.25	1.87	2.49	3.11		
500	0.80	1.59	2.38	3.18	3.97	4.76	
600	0.98	1.95	2.92	3.89	4.86	5.83	6.80
700	1.14	2.27	3.40	4.54	5.67	6.80	7.94
800	1.30	2.59	3.89	5.18	6.48	7.77	9.07
900	1.46	2.92	4.37	5.83	7.29	8.75	10.2
1000	1.62	3.24	4.86	6.48	8.10	9.72	11.4
1100	1.78	3.57	5.35	7.13	8.91	10.7	12.5
1200	1.95	3.89	5.83	7.77	9.72	11.7	13.6
1300		4.21	6.32	8.42	10.6	12.7	14.8
1400		4.54	6.80	9.07	11.4	13.6	15.9
1500		4.86	7.29	9.72	12.2	14.6	17.0
1600		5.18	7.77	10.4	13.0	15.6	18.2
1700		5.51	8.26	11.0	13.8	16.6	19.3*
1800		5.83	8.75	11.7	14.6	17.5	20.4*
1900		6.16	9.23	12.3	15.4	18.5	21.6*
2000		6.48	9.72	13.0	16.2	19.5*	
2100		6.80	10.2	13.6	17.0	20.4*	
2200		7.13	10.7	14.3	17.8	21.4*	
2300		7.45	11.2	14.9	18.7*		
2400		7.77	11.7	15.6	19.5		* SEE NOTE 7

Lengths 2050 mm and 2350 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
2050	10	19	35	50	48	46	43	31
2350	11	22	40	50	50	48	47	34

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)						
	300	600	900	1200	1500	1800	2100
300	0.42	0.84	1.26	1.67			
400	0.57	1.14	1.71	2.28	2.84		
500	0.73	1.45	2.18	2.90	3.63	4.35	
600	0.89	1.78	2.67	3.56	4.45	5.34	6.22
700	1.04	2.08	3.11	4.15	5.19	6.22	7.26
800	1.19	2.37	3.56	4.74	5.93	7.11	8.30
900	1.34	2.67	4.00	5.34	6.67	8.00	9.33
1000	1.48	2.97	4.45	5.93	7.41	8.89	10.4
1100	1.63	3.26	4.89	6.52	8.15	9.78	11.4
1200	1.78	3.56	5.34	7.11	8.89	10.7	12.5
1300		3.85	5.78	7.70	9.63	11.6	13.5*
1400		4.15	6.22	8.30	10.4	12.5	
1500		4.45	6.67	8.89	11.1	13.4*	
1600		4.74	7.11	9.48	11.9	14.3*	
1700		5.04	7.56	10.1	12.6		
1800		5.34	8.00	10.7	13.4*		
1900		5.63	8.44	11.3	14.1*		
2000		5.93	8.89	11.9			
2100		6.22	9.33	12.5			
2200		6.52	9.78	13.1*			
2300		6.82	10.3	13.7*			
2400		7.11	10.7	14.3*			* SEE NOTE 7

NOTES:

1. Tabulated volume flow rates will result at 60 Pa pressure losses for ducted attenuators, at air density of 1.2 kg/m³
2. Pressure loss varies in proportion to density.
3. Pressure loss varies in proportion to the square of the volume flow rate.
4. Maximum allowable volume flow rate is 1,25* the values given in the tables, pressure loss varying in proportion to the square of the factor.
5. Approximate regenerated noise levels.

Volume Flow Rate	NC	A-Scale
Over 0.63 to 0.8 * Tabulated Values	30	35
Over 0.8 to 1.0 * Tabulated Values	35	40
Over 1.0 to 1.25 * Tabulated Values	40	45

6. Tabulated values apply to attenuators ducted both sides. For plenum entry and/or discharge the pressure loss is to be multiplied by the appropriate factor below.

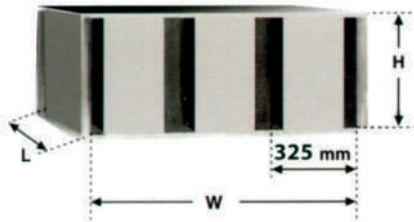
Length	Plenum to Duct	Duct to Plenum	Plenum to Plenum
850/1150	1.20	3.19	3.38
1450/1750	1.16	2.76	2.92
2050/2350	1.13	2.47	2.60

7. Selection marked * are available only with the shorter attenuator





SOUND ATTENUATORS



SERIES PGL

**LOW PRESSURE LOSS RECTANGULAR ATTENUATORS
ATTENUATOR PERFORMANCE - AIR WAY CODE C**

Lengths 850 mm and 1150 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
850	6	9	15	26	32	27	18	15
1150	7	10	19	35	37	32	24	16

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)						
	325	650	975	1300	1625	1950	2275
300	0.67	1.33	2.00				
400	0.91	1.81	2.72	3.62			
500	1.16	2.31	3.46	4.61	5.77	6.92	
600	1.42	2.83	4.24	5.65	7.07	8.48	9.89
700	1.65	3.30	4.95	6.59	8.24	9.89	11.6
800	1.89	3.77	5.65	7.54	9.42	11.3	13.2
900	2.12	4.24	6.36	8.48	10.6	12.8	14.9
1000	2.36	4.71	7.07	9.42	11.8	14.2	16.5
1100	2.59	5.18	7.77	10.4	13.0	15.6	18.2
1200	2.83	5.65	8.48	11.3	14.2	17.0	19.8
1300	3.06	6.12	9.18	12.3	15.3	18.4	21.5
1400		6.59	9.89	13.2	16.5	19.8	23.1
1500		7.07	10.6	14.2	17.7	21.2	24.8
1600		7.54	11.3	15.1	18.9	22.6	26.4
1700		8.01	12.0	16.0	20.0	24.0	28.1
1800		8.48	12.8	17.0	21.2	25.5	29.7
1900		8.95	13.5	17.9	22.4	26.9	31.3
2000		9.42	14.2	18.9	23.6	28.3	33.0
2100		9.89	14.9	19.8	24.8	29.7	34.6
2200		10.4	15.6	20.8	25.9	31.1	36.3
2300		10.9	16.3	21.7	27.1	32.5	37.9*
2400		11.3	17.0	22.6	28.3	33.9	39.6*

Lengths 1450 mm and 1750 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
1450	7	12	23	42	41	37	28	19
1750	8	15	28	46	43	41	33	21

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)						
	325	650	975	1300	1625	1950	2275
300	0.60	1.20	1.79				
400	0.82	1.63	2.44	3.25			
500	1.04	2.08	3.11	4.15	5.18	6.22	
600	1.28	2.55	3.82	5.09	6.36	7.63	8.90
700	1.49	2.97	4.45	5.94	7.42	8.90	10.4
800	1.70	3.39	5.09	6.78	8.48	10.2	11.9
900	1.91	3.82	5.73	7.63	9.54	11.5	13.4
1000	1.12	4.24	6.36	8.48	10.6	12.8	14.9
1100	2.33	4.67	7.00	9.33	11.7	14.0	16.4
1200	2.55	5.09	7.63	10.2	12.8	15.3	17.8
1300	2.76	5.51	8.27	11.1	13.8	16.6	19.3
1400		5.94	8.90	11.9	14.9	17.8	20.8
1500		6.36	9.54	12.8	15.9	19.1	22.3
1600		6.78	10.2	13.6	17.0	20.4	23.8*
1700		7.21	10.8	14.4	18.1	21.7	25.3*
1800		7.63	11.5	15.3	19.1	22.9*	26.7*
1900		8.06	12.1	16.1	20.2	24.2*	
2000		8.48	12.8	17.0	21.2	25.5	
2100		8.90	13.4	17.8	22.3	26.7*	
2200		9.33	14.0	18.7	23.3		
2300		9.75	14.7	19.5	24.4*		
2400		10.2	15.3	20.4	25.5*		* SEE NOTE 7

Lengths 2050 mm and 2350 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
2050	7	9	32	50	47	44	38	24
2350	8	10	37	50	50	47	44	28

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)						
	325	650	975	1300	1625	1950	2275
300	0.54	1.08	1.62				
400	0.54	1.48	2.2	2.95			
500	0.95	1.89	2.84	3.78	4.73	5.67	
600	1.17	2.34	3.50	4.67	5.83	7.00	8.16
700	1.36	2.72	4.08	5.44	6.80	8.16	9.52
800	1.56	3.11	4.67	6.22	7.77	9.33	10.9
900	1.75	3.50	5.25	7.00	8.75	10.5	12.3
1000	1.95	3.89	5.83	7.77	9.72	11.7	13.6
1100	2.14	4.28	6.41	8.55	10.7	12.9	15.0
1200	2.34	4.67	7.00	9.33	11.7	14.0	16.4*
1300	2.53	5.06	7.58	10.1	12.7	15.2	
1400		5.44	8.16	10.9	13.6	16.4*	
1500		5.83	8.75	11.7	14.6	17.5*	
1600		6.22	9.33	12.5	15.6*		
1700		6.61	9.91	13.3	16.6*		
1800		7.00	10.5	14.0	17.5*		
1900		7.39	11.1	14.8			
2000		7.77	11.7	15.6*			
2100		8.16	12.3	16.4*			
2200		8.55	12.9	17.1*			
2300		8.94	13.4				
2400		9.33	14.0				* SEE NOTE 7

NOTES:

- Tabulated volume flow rates will result at 60 Pa pressure losses for ducted attenuators, at air density of 1.2 kg/m³
- Pressure loss varies in proportion to density.
- Pressure loss varies in proportion to the square of the volume flow rate.
- Maximum allowable volume flow rate is 1,25* the values given in the tables, pressure loss varying in proportion to the square of the factor.
- Approximate regenerated noise levels.

Volume Flow Rate	NC	A-Scale
Over 0.63 to 0.8 * Tabulated Values	30	35
Over 0.8 to 1.0 * Tabulated Values	35	40
Over 1.0 to 1.25 * Tabulated Values	40	45
- Tabulated values apply to attenuators ducted both sides. For plenum entry and/or discharge the pressure loss is to be multiplied by the appropriate factor below.

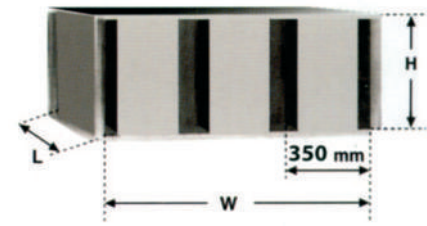
Length	Plenum to Duct	Duct to Plenum	Plenum to Plenum
850/1150	1.25	3.48	3.73
1450/1750	1.20	3.01	3.22
2050/2350	1.17	2.69	2.86
- Selection marked * are available only with the shorter attenuator





SERIES PGL

**LOW PRESSURE LOSS RECTANGULAR ATTENUATORS
ATTENUATOR PERFORMANCE - AIR WAY CODE D**



Lengths 850 mm and 1150 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
850	6	7	14	22	30	23	15	12
1150	6	9	18	31	34	28	19	13

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	350	700	1050	1400	1750	2100
300	0.83	1.66	2.49			
400	1.13	2.26	3.39	4.52		
500	1.45	2.89	4.33	5.78	7.22	
600	1.78	3.55	5.32	7.09	8.86	10.7
700	2.07	4.14	6.21	8.27	10.4	12.4
800	2.37	4.73	7.09	9.45	11.9	14.2
900	2.66	5.32	7.98	10.7	13.3	16.0
1000	2.96	5.91	8.86	11.9	14.8	17.8
1100	3.25	6.50	9.75	13.0	16.3	19.5
1200	3.55	7.09	10.7	14.2	17.8	21.3
1300	3.84	7.68	11.6	15.4	19.2	23.1
1400	4.14	8.27	12.4	16.6	20.7	24.8
1500		8.86	13.3	17.8	22.2	26.6
1600		9.45	14.2	18.9	23.7	28.4
1700		10.1	15.1	20.1	25.1	30.2
1800		10.7	16.0	21.3	26.6	31.9
1900		11.3	16.9	22.5	28.1	33.7
2000		11.9	17.8	23.7	29.6	35.5
2100		12.4	18.6	24.8	31.0	37.2
2200		13.0	19.5	26.0	32.5	39.0
2300		13.6	20.4	27.2	34.0	40.8
2400		14.2	21.3	28.4	35.5	42.6

Lengths 1450 mm and 1750 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
1450	7	11	21	39	39	34	24	15
1750	7	14	25	44	43	38	29	17

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	350	700	1050	1400	1750	2100
300	0.74	1.47	2.21			
400	1.01	2.02	3.03	4.04		
500	1.30	2.60	3.89	5.19	6.49	
600	1.61	3.21	4.82	6.42	8.03	9.63
700	1.88	3.75	5.62	7.49	9.37	11.3
800	2.14	4.28	6.42	8.56	10.7	12.9
900	2.41	4.82	7.23	9.63	12.1	14.5
1000	2.68	5.35	8.03	10.7	13.4	16.1
1100	2.95	5.89	8.83	11.8	14.8	17.7
1200	3.21	6.42	9.63	12.9	16.1	19.3
1300	3.48	6.96	10.5	14.0	17.4	20.9
1400	3.75	7.49	11.3	15.0	18.8	22.5
1500		8.03	12.1	16.1	20.1	24.1
1600		8.56	12.9	17.2	21.4	25.7
1700		9.10	13.7	18.2	22.8	27.3*
1800		9.63	14.5	19.3	24.1	28.9*
1900		10.2	15.3	20.4	25.5	30.5*
2000		10.7	16.1	21.4	26.8*	
2100		11.3	16.9	22.5	28.1*	
2200		11.8	17.7	23.6	29.5*	
2300		12.5	18.5	24.7	30.8*	
2400		12.9	19.3	25.7		

*SEE NOTE 7

Lengths 2050 mm and 2350 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
2050	8	16	30	48	46	42	34	20
2350	9	19	34	50	48	46	39	22

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	350	700	1050	1400	1750	2100
300	0.68	1.35	2.03			
400	0.93	1.86	2.78	3.71		
500	1.20	2.39	3.58	4.77	5.96	
600	1.48	2.96	4.43	5.91	7.38	8.86
700	1.73	3.45	5.17	6.89	8.61	10.4
800	1.97	3.94	5.91	7.87	9.84	11.8
900	2.22	4.43	6.64	8.86	11.1	13.3
1000	2.46	4.92	7.38	9.84	12.3	14.8
1100	2.71	5.41	8.12	10.9	13.6	16.3
1200	2.96	5.91	8.86	11.8	14.8	17.7
1300	3.20	6.40	9.60	12.8	16.0	19.2*
1400	3.45	6.89	10.4	13.8	17.3	
1500		7.38	11.1	14.8	18.5*	
1600		7.87	11.8	15.8	19.7*	
1700		8.37	12.6	16.8		
1800		8.86	13.3	17.7		
1900		9.35	14.1	18.7*		
2000		9.84	14.8	19.7*		
2100		10.4	15.5			
2200		10.9	16.3			
2300		11.4	17.0			
2400		11.8	17.7			

*SEE NOTE 7

NOTES:

1. Tabulated volume flow rates will result at 60 Pa pressure losses for ducted attenuators, at air density of 1.2 kg/m³
2. Pressure loss varies in proportion to density.
3. Pressure loss varies in proportion to the square of the volume flow rate.
4. Maximum allowable volume flow rate is 1.25* the values given in the tables, pressure loss varying in proportion to the square of the factor.
5. Approximate regenerated noise levels.

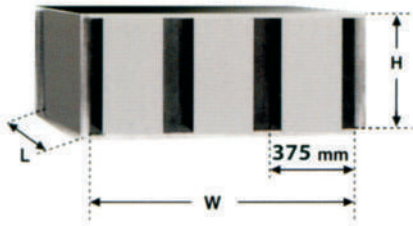
Volume Flow Rate	NC	A-Scale
Over 0.63 to 0.8 * Tabulated Values	30	35
Over 0.8 to 1.0 * Tabulated Values	35	40
Over 1.0 to 1.25 * Tabulated Values	40	45

6. Tabulated values apply to attenuators ducted both sides. For plenum entry and/or discharge the pressure loss is to be multiplied by the appropriate factor below.

Length	Plenum to Duct	Duct to Plenum	Plenum to Plenum
850/1150	1.29	3.83	4.10
1450/1750	1.24	3.33	3.54
2050/2350	1.20	2.96	3.15

7. Selection marked * are available only with the shorter attenuator





SERIES PGL

**LOW PRESSURE LOSS RECTANGULAR ATTENUATORS
ATTENUATOR PERFORMANCE - AIR WAY CODE E**

Lengths 850 mm and 1150 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
850	5	7	13	20	26	20	13	9
1150	6	8	17	27	31	25	15	10

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	375	750	1125	1500	1875	2250
300	1.01	2.02	3.03			
400	1.38	2.75	4.13	5.50		
500	1.76	3.52	5.28	7.04	8.80	
600	2.17	4.33	6.50	8.66	10.9	13.0
700	2.53	5.06	7.58	10.1	12.7	15.2
800	2.89	5.78	8.66	11.6	14.5	17.4
900	3.25	6.50	9.75	13.0	16.3	19.5
1000	3.61	7.22	10.9	14.5	18.1	21.7
1100	3.97	7.94	11.9	15.9	19.9	23.9
1200	4.33	8.66	13.0	17.4	21.7	26.0
1300	4.69	9.39	14.1	18.8	23.5	28.2
1400	5.06	10.1	15.2	20.2	25.3	30.4
1500	5.42	10.9	16.3	21.7	27.1	32.5
1600		11.6	17.4	23.1	28.9	34.7
1700		12.3	18.4	24.6	30.7	36.8
1800		13.0	19.5	26.0	32.5	39.0
1900		13.8	20.6	27.5	34.3	41.2
2000		14.5	21.7	28.9	36.1	43.3
2100		15.2	22.8	30.4	37.9	45.5
2200		15.9	23.9	31.8	39.7	47.7
2300		16.6	24.9	33.2	41.5	49.8
2400		17.4	26.0	34.7	43.3	52.0*

Lengths 1450 mm and 1750 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
1450	7	10	20	34	37	29	18	12
1750	7	12	24	39	40	34	22	13

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	375	750	1125	1500	1875	2250
300	0.92	1.84	2.75			
400	1.26	2.51	3.76	5.01		
500	1.61	3.22	4.82	6.43	8.03	
600	1.99	3.97	5.95	7.93	9.91	11.9
700	2.32	4.63	6.94	9.25	11.6	13.9
800	2.65	5.29	7.93	10.6	13.2	15.9
900	2.98	5.95	8.92	11.9	14.9	17.9
1000	3.31	6.61	9.91	13.2	16.6	19.9
1100	3.64	7.27	10.9	14.6	18.2	21.8
1200	3.97	7.93	11.9	15.9	19.9	23.8
1300	4.30	8.59	12.9	17.2	21.5	25.8
1400	4.63	9.25	13.9	18.5	23.2	27.8
1500	4.96	9.91	14.9	19.9	24.8	29.8
1600		10.6	15.9	21.2	26.5	31.7*
1700		11.3	16.9	22.5	28.1	33.7*
1800		11.9	17.9	23.8	29.8	35.7*
1900		12.6	18.9	25.1	31.4*	
2000		13.2	19.9	26.5	33.1	
2100		13.9	20.8	27.8	34.7*	
2200		14.6	21.8	29.1	36.4*	
2300		15.2	22.8	30.4		
2400		15.9	23.8	31.7*		*SEE NOTE 7

Lengths 2050 mm and 2350 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
2050	7	15	28	44	45	38	25	14
2350	8	17	32	47	50	42	28	15

**TABLE OF VOLUME FLOW RATES (m³/s)
WIDTH (mm)**

HEIGHT (mm)	375	750	1125	1500	1875	2250
300	0.84	1.67	2.51			
400	1.15	2.30	3.45	4.59		
500	1.49	2.97	4.45	5.94	7.42	
600	1.85	3.69	5.54	7.38	9.23	11.1
700	2.16	4.31	6.46	8.61	10.8	13.0
800	2.46	4.92	7.38	9.84	12.3	14.8
900	2.77	5.54	8.30	11.1	13.9	16.6
1000	3.08	6.15	9.23	12.3	15.4	18.5
1100	3.39	6.77	10.2	13.6	16.9	20.3
1200	3.69	7.38	11.1	14.8	18.5	22.2*
1300	4.00	8.00	12.0	16.0	20.0	24.0*
1400	4.31	8.61	13.0	17.3	21.6*	
1500	4.62	9.23	13.9	18.5	23.1*	
1600		9.84	14.8	19.7		
1700		10.5	15.7	20.9		
1800		11.1	16.6	22.2*		
1900		11.7	17.6	23.4*		
2000		12.3	18.5			
2100		13.0	19.4			
2200		13.6	20.3			
2300		14.2	21.3*			
2400		14.8	22.2*			*SEE NOTE 7

NOTES:

1. Tabulated volume flow rates will result at 60 Pa pressure losses for ducted attenuators, at air density of 1.2 kg/m³

2. Pressure loss varies in proportion to density.

3. Pressure loss varies in proportion to the square of the volume flow rate.

4. Maximum allowable volume flow rate is 1,25* the values given in the tables, pressure loss varying in proportion to the square of the factor.

5. Approximate regenerated noise levels.

Volume Flow Rate	NC	A-Scale
Over 0.63 to 0.8 * Tabulated Values	30	35
Over 0.8 to 1.0 * Tabulated Values	35	40
Over 1.0 to 1.25 * Tabulated Values	40	45

6. Tabulated values apply to attenuators ducted both sides. For plenum entry and/or discharge the pressure loss is to be multiplied by the appropriate factor below.

Length	Plenum to Duct	Duct to Plenum	Plenum to Plenum
850/1150	1.35	4.19	4.53
1450/1750	1.28	3.68	3.96
2050/2350	1.25	3.32	3.56

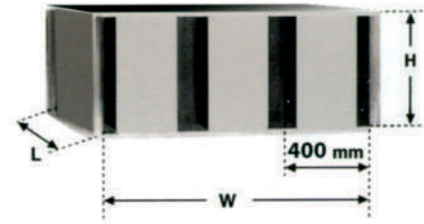
7. Selection marked * are available only with the shorter attenuator





SERIES PGL

**LOW PRESSURE LOSS RECTANGULAR ATTENUATORS
ATTENUATOR PERFORMANCE - AIR WAY CODE F**



Lengths 850 mm and 1150 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
850	5	6	12	18	21	16	11	7
1150	5	8	16	24	28	21	12	8

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)				
	400	800	1200	1600	2000
300	1.20	2.41	3.61		
400	1.65	3.29	4.93	6.57	
500	2.11	4.21	6.32	8.43	10.6
600	2.60	5.20	7.79	10.4	13.0
700	3.03	6.06	9.09	12.2	15.2
800	3.47	6.93	10.4	13.9	17.3
900	3.90	7.79	11.7	15.6	19.5
1000	4.33	8.66	13.0	17.3	21.7
1100	4.76	9.52	14.3	19.1	23.8
1200	5.20	10.4	15.6	20.8	26.0
1300	5.63	11.3	16.9	22.5	28.2
1400	6.06	12.2	18.2	24.3	30.3
1500	6.50	13.0	19.5	26.0	32.5
1600	6.93	13.9	20.8	27.7	34.7
1700		14.8	22.1	29.5	36.8
1800		15.6	23.4	31.2	39.0
1900		16.5	24.7	32.9	41.2
2000		17.3	26.0	34.7	43.3
2100		18.2	27.3	36.4	45.5
2200		19.1	28.6	38.1	47.6
2300		19.9	29.9	39.9	49.8
2400		20.8	31.2	41.6	52.0*

Lengths 1450 mm and 1750 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND				MEAN FREQUENCY (Hz)			
	63	125	250	500	1K	2K	4K	8K
1450	6	10	20	30	35	25	14	9
1750	6	12	23	35	39	28	15	10

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)				
	400	800	1200	1600	2000
300	1.11	2.22	3.32		
400	1.52	3.04	4.56	6.07	
500	1.96	3.91	5.86	7.82	9.77
600	2.42	4.84	7.26	9.68	12.1
700	2.83	5.65	8.47	11.3	14.2
800	3.23	6.46	9.68	12.9	16.2
900	3.63	7.26	10.9	14.6	18.2
1000	4.04	8.07	12.1	16.2	20.2
1100	4.44	8.88	13.3	17.8	22.2
1200	4.84	9.68	14.6	19.4	24.2
1300	5.25	10.5	15.8	21.0	26.3
1400	5.65	11.3	17.0	22.6	28.3
1500	6.05	12.1	18.2	24.2	30.3
1600	6.46	12.9	19.4	25.8	32.3
1700		13.8	20.6	27.5	34.3
1800		14.6	21.8	29.1	36.3*
1900		15.4	23.0	30.7	38.3*
2000		16.2	24.2	32.3	40.4*
2100		17.0	25.4	33.9	
2200		17.8	26.7	35.5*	
2300		18.6	27.9	37.1*	
2400		19.4	29.1	38.8*	

*SEE NOTE 7

Lengths 2050 mm and 2350 mm

LENGTH	STATIC INSERTION LOSS							
	OCTAVE BAND MEAN FREQUENCY (Hz)							
	63	125	250	500	1K	2K	4K	8K
2050	7	14	27	40	45	32	17	10
2350	8	16	30	45	50	36	18	11

TABLE OF VOLUME FLOW RATES (m³/s)

HEIGHT (mm)	WIDTH (mm)				
	400	800	1200	1600	2000
300	1.02	2.04	3.06		
400	1.41	2.81	4.22	5.63	
500	1.83	3.66	5.48	7.31	9.13
600	2.29	4.57	6.86	9.14	11.5
700	2.67	5.33	8.00	10.7	13.4
800	3.05	6.10	9.14	12.2	15.3
900	3.43	6.86	10.3	13.7	17.2
1000	3.81	7.62	11.5	15.3	19.1
1100	4.19	8.38	12.6	16.8	21.0
1200	4.57	9.14	13.7	18.3	22.9
1300	4.95	9.90	14.9	19.8	24.8*
1400	5.33	10.7	16.0	21.4	26.7*
1500	5.71	11.5	17.2	22.9	
1600	6.10	12.2	18.3	24.4*	
1700		13.0	19.5	25.9*	
1800		13.7	20.6	27.4	
1900		14.5	21.7		
2000		15.3	22.9		
2100		16.0	24.0		
2200		16.8	25.2*		
2300		17.6	26.3*		
2400		18.3	27.4*		

*SEE NOTE 7

NOTES:

1. Tabulated volume flow rates will result at 60 Pa pressure losses for ducted attenuators, at air density of 1.2 kg/m³
2. Pressure loss varies in proportion to density.
3. Pressure loss varies in proportion to the square of the volume flow rate.
4. Maximum allowable volume flow rate is 1,25* the values given in the tables, pressure loss varying in proportion to the square of the factor.
5. Approximate regenerated noise levels.

Volume Flow Rate	NC	A-Scale
Over 0.63 to 0.8 * Tabulated Values	30	35
Over 0.8 to 1.0 * Tabulated Values	35	40
Over 1.0 to 1.25 * Tabulated Values	40	45

6. Tabulated values apply to attenuators ducted both sides. For plenum entry and/or discharge the pressure loss is to be multiplied by the appropriate factor below.

Length	Plenum to Duct	Duct to Plenum	Plenum to Plenum
850/1150	1.40	4.61	5.03
1450/1750	1.34	4.13	4.50
2050/2350	1.31	3.79	4.12

7. Selection marked * are available only with the shorter attenuator

