



Plastic Attenuator Brochure

Rectangle and Circular attenuators

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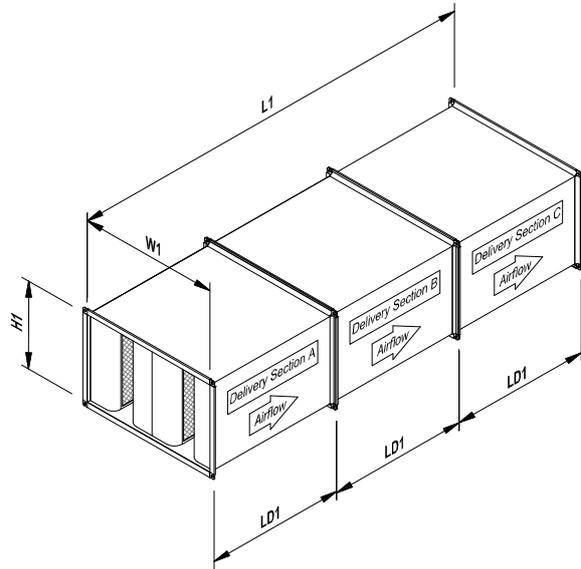
SP – Plastic Rectangular Splitter Attenuators

With Profile Flanges

Rectangular duct attenuator, constructed with splitter type acoustic elements. Side splitters fitted as standard to reduce noise breakout. Casing provided with 50mm or 75mm profile flanges at both ends. For ease of handling, units can be delivered to site split in up to four sections in length. Attenuators generally manufactured to DW154.

Options available:

- Polypropylene
- UPVC
- UPVC/GRP
- 200, 250, 300, 350 or 400 wide centre splitters
- Vertical or horizontal splitter orientation
- Chamfered aerodynamic splitter fairings
- Melinex wrapped infill
- Integral inlet or outlet plenums
- Flanges can be provided drilled or undrilled



Available Widths and Heights:

End Connection Type	Element Orientation	Standard Cross Sectional Dimension Limits			
		W1 min	H1 min	W1 max	H1 max
Profile flanges	Vertical	250	250	2500	2000
	Horizontal	250	250	2000	2500

For ease of handling attenuators above 6600mm periphery and 1200mm long will be delivered to site split in length.

50mm flange included for width and/or height up to 1000mm. 75mm flange included for width and/or height at 1001mm or above.

Attenuators can be provided in 1mm increments within the width and height ranges shown above, although 25mm increments are standard. Maximum aspect ratio should not exceed 6:1.

Available Lengths:

End Connection Type	Number of Delivery Sections in Length	L1
Profile flanges	1	450, 600, 750, 900, 1050, 1200, 1500, 1800, 2100, 2400
	2	900, 1200, 1500, 1800, 2100, 2400, 3000, 3600, 4200, 4800
	3	1350, 1800, 2250, 2700, 3150, 3600
	4	1800, 2400, 3000, 3600, 4200, 4800

Attenuators can be manufactured to the low or medium pressure classifications within DW154.

Attenuators installed external to a covered building must include a GRP coating. Prior to installation, attenuators must be stored in a cool dry place, out of direct sunlight.

Standard UPVC colour is RAL7011 iron grey. Alternative colours are available upon request.

LP – Plastic Lining Attenuators - with circular spigots

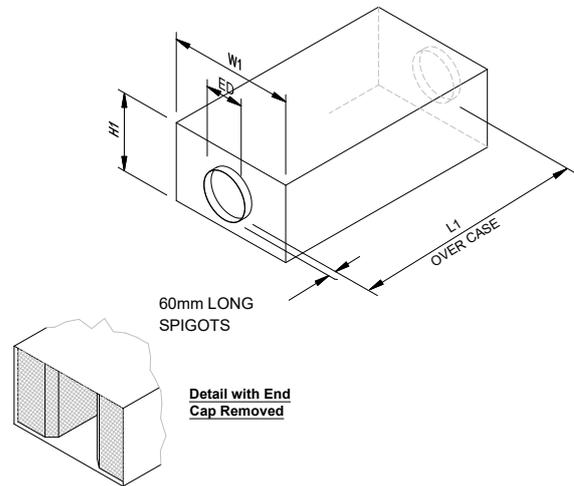
With Circular Spigot End Caps

Rectangular duct attenuator, with lining type acoustic elements. Casing provided with end caps at both ends, with circular spigot connections suitable for slip jointing into adjoining ductwork. Attenuators generally manufactured to DW154.

Elements are often provided out of airstreams to minimise pressure loss.

Options available:

- Polypropylene
- UPVC
- UPVC/GRP
- 50, 75, 100, 125, 150, 175 or 200 wide linings
- Vertical or horizontal lining orientation
- Melinex wrapped infill



Available Widths and Heights:

End Connection Type	Element Orientation	Standard Cross Sectional Dimension Limits			
		W1 min	H1 min	W1 max	H1 max
Circular spigot end caps	Vertical	150	150	600	1200
	Horizontal	150	150	1200	600

Attenuators can be provided in 1mm increments within the width and height ranges shown above, although 25mm increments are standard. Maximum aspect ratio should not exceed 6:1.

Spigot connection ED is made to suit the adjoining duct, with a minimum size of 100mm diameter. ED must be smaller than W1 and H1, as shown above.

Available Lengths:

End Connection Type	L1
Circular spigot end caps	470, 620, 770, 920, 1070, 1220, 1370

Attenuators can be manufactured to the low or medium pressure classifications within DW154.

Attenuators installed external to a covered building must include a GRP coating. Prior to installation, attenuators must be stored in a cool dry place, out of direct sunlight.

Standard UPVC colour is RAL7011 iron grey. Alternative colours are available upon request.

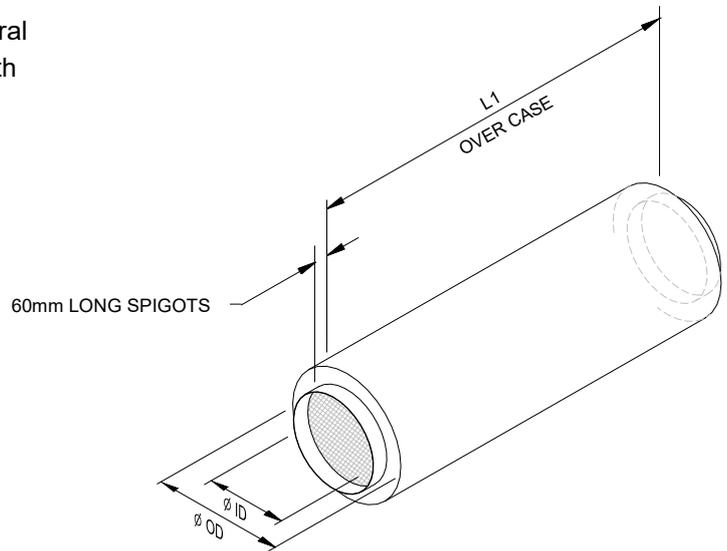
CP – Plastic Circular Attenuators - with circular spigots

With Spigot Ends

Circular duct attenuator, constructed with a peripheral out of airstream acoustic lining. Casing provided with circular spigot connections for slip jointing into adjoining ductwork. Attenuators generally manufactured to DW154.

Options available:

- Polypropylene
- UPVC
- UPVC/GRP
- Melinex wrapped infill



Available Sizes:

Internal Diameter D1	Outside Diameter D2	Available Lengths (bespoke lengths available) L1				
100	205					
125	230					
150	255					
160	255					
180	320					
200	320					
250	360	300	600	900	1200	1500
300	405					
315	405					
355	455					
400	505					
450	605					
500	605					

Attenuators can be manufactured to the low or medium pressure classifications within DW154.

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Standard UPVC colour is RAL7011 iron grey. Alternative colours are available upon request.

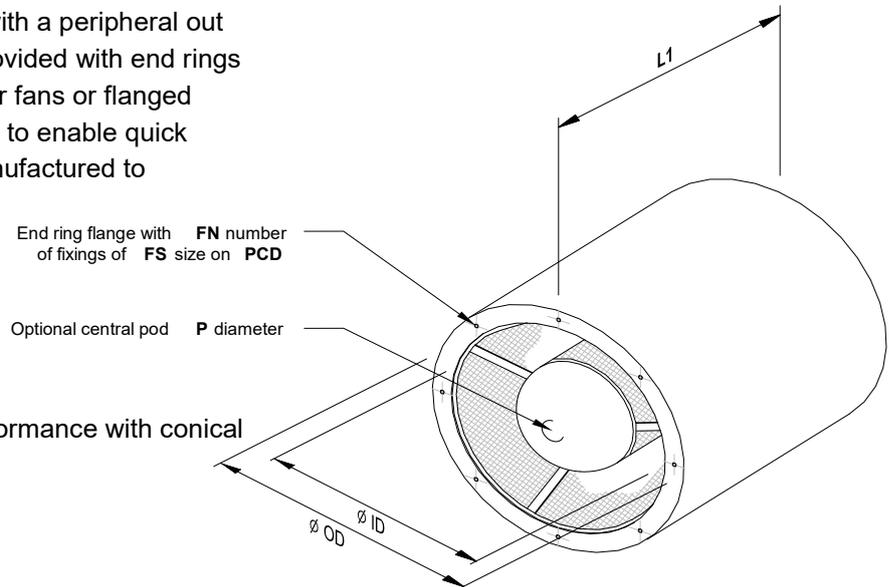
CP – Plastic Circular Attenuators - with end rings

With End Rings

Circular duct attenuator, constructed with a peripheral out of airstream acoustic lining. Casing provided with end rings suitable for direct connection to circular fans or flanged ducts. End rings have threaded inserts to enable quick installation. Attenuators generally manufactured to DW154.

Options available:

- Polypropylene
- UPVC
- UPVC/GRP
- Central pod for increased performance with conical shaped aerodynamic fairings
- Melinex wrapped infill
- Alternative fixing patterns



Available Sizes:

Internal Diameter D1	Outside Diameter D2	Pod Diameter P	Lengths in 300mm Increments L1 (bespoke lengths available)				Lengths based on ID L1			Fixing Pattern		
										FN	FS	PCD
315	405	165	600	900	1200	1500	315	473	630	12	M8	355
355	455	165	600	900	1200	1500	355	533	710	14	M8	395
400	505	205	600	900	1200	1500	400	600	800	16	M10	450
450	605	205	600	900	1200	1500	450	675	900	16	M10	500
500	635	255	600	900	1200	1500	500	750	1000	18	M10	560
560	715	255	600	900	1200	1500	560	840	1120	20	M10	620
630	805	320	600	900	1200	1500	630	945	1260	22	M10	690
710	905	320	600	900	1200	1500	710	1065	1420	26	M10	770
800	1005	405	600	900	1200	1500	800	1200	1600	28	M10	860
900	1125	405	600	900	1200	1500	900	1350	1800	32	M10	970
1000	1255	505	600	900	1200	1500	1000	1500	2000	34	M10	1070

Alternative Attenuator dimensions may be available upon request.

Attenuators can be manufactured to the low or medium pressure classifications within DW154.

Attenuators installed external to a covered building must include a GRP coating. Prior to installation, attenuators must be stored in a cool dry place, out of direct sunlight.

Standard UPVC colour is RAL7011 iron grey. Alternative colours are available upon request.

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