

Wholehouse Attenuators

- Reduces induct noise
- Variety of sizes to suit specified noise requirements
- Compatible with both 204x60mm² and 220x90mm² rectangular ductwork
- Central and offset spigot options to suit each installation
- Rigid galvanized steel construction
- Easy installation
- Suitable for almost any ventilation system
- Low pressure loss



The Vent-Axia Wholehouse Attenuator has been developed to reduce induct noise in both residential and commercial ducting systems.

Technical Details

The Wholehouse Attenuator is compatible with either 204x60mm² or 220x90mm² ducting. It also offers two spigot options to suit the installation and design requirements. The Wholehouse Attenuator is available with either a standard centralised spigot or, for instances when the ducting is installed flat to a concrete slab, an offset spigot. As well as saving the need for additional ducting components, this allows for a much easier and quicker installation.

Noise Reduction

Offering excellent sound reduction over a range of frequencies, the Wholehouse Attenuator is available in two lengths depending on the noise suppression requirements. For MVHR systems the attenuator can be fitted on the supply side to habitable rooms, reducing airborne in-duct noise. For MVHR and extract-only systems, the attenuator may be placed on the extract side to limit 'cross-talk' through ductwork between rooms.

Models

Attenuator with Central Spigot

Model	Stock Ref
204x60 Duct 620mm Length	477369
204x60 Duct 920mm Length	407915
204x60 Duct 1220mm Length	407916
220x90 Duct 620mm Length	477370
220x90 Duct 920mm Length	407920
220x90 Duct 1220mm Length	407921

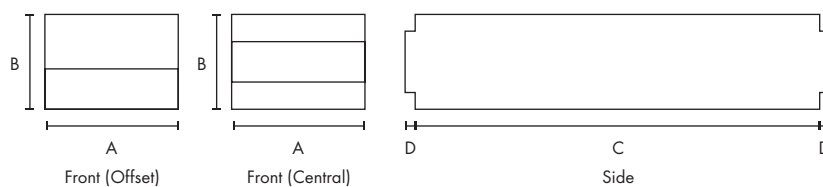
Attenuator with Offset Spigot

Model	Stock Ref
204x60 Duct 620mm Length	477371
204x60 Duct 920mm Length	475427
204x60 Duct 1220 Length	475428
220x90 Duct 620mm Length	477372
220x90 Duct 920mm Length	475429
220x90 Duct 1220mm Length	475430

Acoustic Flexible Ducting

Model	Stock Ref
125mmØ Duct 1.5m Length	443793
150mmØ Duct 1m Length	443274

Dimensions (mm)



Stock Ref	A	B	C	D	kg
477369/477371	196	125	620	50	10
477370/477372	207	148	620	50	10
407915/ 475427	200	120	920	50	13
407916/475428	200	120	1220	50	17
407920/ 475429	210	145	920	50	14
407921/475430	210	145	1220	50	17

Acoustic Performance

Stock Ref	Insertion Loss (dB)							
	63	125	250	500	1k	2k	4k	8k
477369/477370/477371/477372	3	4	7	13	21	38	45	33
407915/475427	0.3	3.2	11.6	24.2	38	49.1	50.3	36.4
407916/475428	0.3	1.8	14.1	21.3	35.4	46.9	50.4	36.4
407921/475430	1.2	7.4	18.6	30.2	39.1	51	45.2	38.6
407920/475429	7.3	10.2	13.1	26.2	34.9	47.6	52.2	38.9
443793	-1.2	10.6	19	16.8	15.7	22.2	15.7	17.6
443274	5.5	11.5	17	19.9	19.1	25.6	20	21.6

Pressure Loss

Model	Duct Size (mm)	Volume (l/s)	Pressure Loss (Pa)
Attenuator	204x60	15	6
		30	10
		60	25
		80	41
Attenuator	220x90	15	6
		30	10
		60	22
		80	36
Acoustic Flexible Ducting (1.5m)	125	15	2.8
		30	8.8
		60	19.2
		80	37.5
Acoustic Flexible Ducting (1m)	150	15	1.7
		30	6.4
		60	13.8
		80	28.4

Ducting & Accessories



Fabric Woven PVC Flexible Ducting

Manufactured using fabric woven PVC with a wire helix. Used with single spigots and in multi-duct systems. Operating temperature -30°C to 70°C.

6 metre lengths

Duct Size	Stock Ref
100 Ø	427569
125 Ø	427570
150 Ø	370281

T-Series Flexible Ducting

PVC with wire helix. For use with T-Series.

6m lengths

Size	Duct Size	Stock Ref
Size 6	175 Ø	566607
Size 7	225 Ø	566609
Size 9	300 Ø	566612
Size 12	400 Ø	566616



Insulated Flexible Ducting

Insulated ducting should be used when duct passes through an unheated area. Minimises heat loss when used with heat recovery fans. Available in 6 diameters. An additional benefit is that thermally insulated duct offers some measure of acoustic attenuation.

10 metre lengths

Duct Dia	Stock Ref
100 Ø	561654
125 Ø	561655
150 Ø	561656



Duct Y Pieces

For dividing a ventilation system, providing ducting to multiple supply or extract grilles using only a single fan source.

2x Into	1x	Stock Ref
100 Ø	100 Ø	452081
100 Ø	150 Ø	452082
125 Ø	125 Ø	455211
125 Ø	150 Ø	455212
150 Ø	150 Ø	452083
150 Ø	200 Ø	452084
200 Ø	200 Ø	452085
200 Ø	250 Ø	452078
250 Ø	250 Ø	452076
250 Ø	300 Ø	452079



Acoustic Insulated Ducting

Multiple layer aluminium/polyester laminate with micro perforated flexible core to enhance acoustic performance. Core surrounded by 25mm fibreglass insulation with outer vapour barrier.

Duct Size	Length	Stock Ref
100 Ø	1m	443273
125 Ø	1.5m	443793
150 Ø	1m	443274



Reducer

Duct Size	Stock Ref
R125/100	370302
R150/100	370303
R150/125	370304
R200/150	370307
R250/200	370309
R300/100	370310
R300/200	370312