

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

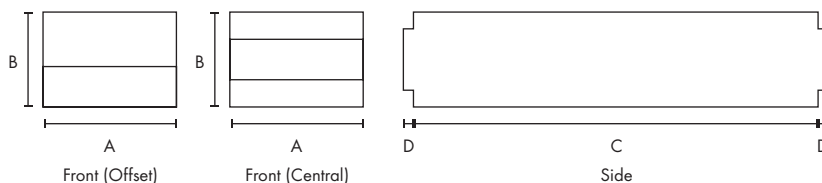
Attenuator with Offset Spigot

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 1m Length	443793
150mmØ Duct 1m Length	443274

Dimensions (mm)



Model	Stock Ref	A	B	C	D	kg
204x60 Duct 620mm Length	477369/477371	196	125	620	50	10
204x60 Duct 920mm Length	407915/ 475427	200	120	920	50	13
204x60 Duct 1220mm Length	407916/475428	200	120	1220	50	17
220x90 Duct 620mm Length	477370/477372	207	148	620	50	10
220x90 Duct 920mm Length	407920/ 475429	210	145	920	50	14
220x90 Duct 1220mm Length	407921/475430	210	145	1220	50	17

Acoustic Performance

Model	Stock Ref	Insertion Loss (dB)							
		63	125	250	500	1k	2k	4k	8k
204x60 Duct 620mm Length/ 220x90 Duct 620mm Length	477369/477370/ 477371/477372	3	4	7	13	21	38	45	33
204x60 Duct 920mm Length	407915/475427	0.3	3.2	11.6	24.2	38	49.1	50.3	36.4
204x60 Duct 1220mm Length	407916/475428	0.3	1.8	14.1	21.3	35.4	46.9	50.4	36.4
220x90 Duct 920mm Length	407920/475429	7.3	10.2	13.1	26.2	34.9	47.6	52.2	38.9
220x90 Duct 1220mm Length	407921/475430	1.2	7.4	18.6	30.2	39.1	51	45.2	38.6
125mmØ Duct 1m Length	443793	5.5	11.5	17	19.9	19.1	25.6	20	21.6
150mmØ Flexible Duct 1m Length	443274	-1.2	10.6	19	16.8	15.7	22.2	15.7	17.6

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
Acoustic Flexible Ducting (1m)	125	15	2.8
		30	8.8
		60	19.2
Acoustic Flexible Ducting (1m)	150	80	37.5
		15	1.7
		30	6.4
		60	13.8
		80	28.4