



## CONSTRUCTION

- Whispaflex is supplied in 3 metre lengths. If longer lengths are required it is recommended that 3 metre lengths are joined.

### Core

- Constructed from aluminium tape on the inside and metallised polyester tape on the outside which encapsulates a spiral galvanised steel wire and is chemically bonded using self extinguishing fire retardant adhesives.
- The appearance of the core is silver with perforations at regular intervals.

### Insulation

To achieve the published insertion losses the core must be insulated with the following blanket:

- Thick polyester blanket as specified by the customer to comply with the BCA.
- Other insulation options available on request.

### Sleeve

- The sleeve is constructed from a silver metallised polyester tape. As an optional extra insulated duct can be supplied with reinforced sleeve. This must be specified at the time of ordering.
- The sleeve must be fully taped to the spigot as the sleeve acts as the air envelope.

## APPLICATIONS

- Whispaflex provides higher insertion losses than standard flexible duct and is ideal for reducing low frequency noise levels in air conditioning systems.
- Not recommended for return air flexible ductwork on commercial projects, or on systems with AC units larger than 6Hp (18kW).

## TECHNICAL

### AS 1530 Part 3

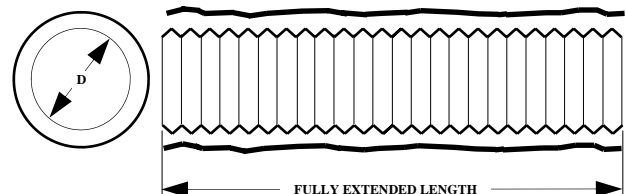
Whispaflex has passed all of the above tests and has obtained a "0003 rating". Copies of test certificates will be made available on request.

### Operating range

Whispaflex is designed to operate in the following range:

- Between  $-10^{\circ}\text{C}$  and  $+80^{\circ}\text{C}$
- Between  $-200\text{Pa}$  and  $+1000\text{Pa}$  internal pressure
- Maximum velocity  $20\text{ m/s}$

## DIMENSIONS



MODEL NO.	DIA D mm	STD LENGTH mm
5AC15	150	3000
5AC20	200	3000
5AC25	250	3000
5AC30	300	3000
5AC35	350	3000
5AC40	400	3000
5AC45	450	3000
5AC50	500	3000

# FLEXIBLE DUCTWORK WHISPAFLEX - PERFORMANCE CHARACTERISTICS



DUCT SIZE		STATIC INSERTION LOSS (dB)							
DUCT DIA	DUCT LENGTH	63 (Hz)	125 (Hz)	250 (Hz)	500 (Hz)	1K (Hz)	2K (Hz)	4K (Hz)	8K (Hz)
Ø 150	3	31	37	31	23	30	36	22	13
Ø 200	3	30	36	32	22	31	37	21	12
Ø 250	3	23	29	22	19	25	32	17	8
Ø 300	3	22	27	20	15	20	28	15	10
Ø 350	3	18	20	18	15	22	21	9	7
Ø 400	3	17	22	19	12	8	21	11	6
Ø 450	3	19	24	16	10	11	16	8	5
Ø 500	3	16	23	17	10	9	15	7	5
Ø 550	3	15	19	16	9	10	14	6	5
Ø 150	6	34	43	47	36	39	45	32	20
Ø 200	6	35	41	45	34	38	46	28	18
Ø 250	6	33	38	35	27	33	37	25	13
Ø 300	6	32	34	32	24	30	35	21	16
Ø 350	6	32	33	25	23	28	30	14	11
Ø 400	6	35	31	32	19	17	32	16	10
Ø 450	6	34	30	27	19	14	23	13	10
Ø 500	6	33	30	26	18	13	20	12	9
Ø 550	6	34	29	25	16	11	18	10	8

