

LFS Series - lightweight flexible silencers



LFS Series

LFS - Lightweight Flexible Silencers provide an economically priced solution to excessive noise within ducted systems. Silencers can be fitted to the inlet / outlet of circular duct fans or to grilles and louvres as required. The silencers may be bent to a maximum radius of 2 x overall (B) diameter with negligible effect on insertion loss values.

In combination with PMF/SMF Series mixed flow fans, LFS silencers offer very low noise ventilation performance in offices, residential dwellings and commercial / retail spaces.

All components of the kits have been designed to be as light as possible for fast installation and safe handling in tight spaces.

Construction

Silencers are manufactured from spun aluminium (spigots), metallised polyester with helical steel support (outer case) and high performance acoustic lining / absorbing material. The sound absorbing material is chemically inert, non hygroscopic and vermin resistant.

Features

Ultra light weight.

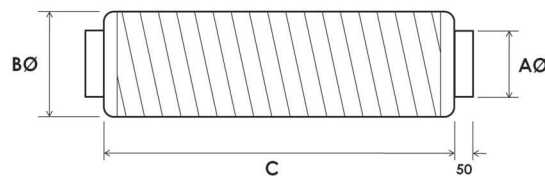
Class leading acoustic performance.

Long spigots for easier connection to fans, grilles or louvres.

Economically priced.

Flexibility allows installation in tight locations

Suitable for rigid or flexible duct systems



LFS Silencer				
Part	A	B	C	kg
LFS150-S	150	265	600	1.7
LFS200-S	200	320	600	1.9
LFS200-L	200	320	1100	3.8
LFS250-S	250	365	600	2
LFS250-L	250	365	1100	4
LFS315-S	315	415	1100	4.2
LFS315-L	315	415	1600	6.3

Suggested Specification

Lightweight Silencers shall be of the LFS Series manufactured by Systemair.

Silencers shall be constructed from aluminium, metallised polyester supported by helical steel wire. Internal acoustic lining and sound absorbing material shall be chemically inert, non combustible, non hygroscopic and vermin resistant.

Acoustic performance shall be determined by testing in accordance with BS4718:1971

Part	Sound Power Reduction dB(A)							
	63	125	250	500	1K	2K	4K	8K
LFS150-S	8	9	12	18	25	39	23	20
LFS200-S	4	5	10	17	38	22	16	13
LFS200-L	7	8	12	22	44	35	19	16
LFS250-S	2	3	8	12	29	16	13	10
LFS250-L	5	6	9	21	40	23	11	11
LFS315-S	4	5	9	18	33	17	9	7
LFS315-L	6	7	11	26	46	24	11	11

