

Small Circular Silencers

Introduction

These compact silencers are used typically as inlet and outlet silencers for mini tube axial, small mixed flow, & turbo type centrifugal fans. They are available in standard sizes to match the available fan ranges, with non standard sizes and lengths available for specific applications.

Construction

Construction consists of a heavy gauge galvanised steel case to reduce breakout, with 50mm spigots each end. The sound absorptive infill is retained by perforated galvanised steel that protects the infill from erosion up to the recommended maximum velocity of 12.5m/s through the silencer.



Technical Data

Model	Dimensions (mm)			Static Insertion Loss (dB)							Weight (kg)
	ID	OD	Length	125	250	500	1k	2k	4k	8k	
SCS-010/060	100	200	550	9	15	34	40	40	37	18	6
SCS-010/090	100	200	900	13	21	40	45	39	36	26	11
SCS-012/060	125	225	550	8	13	29	35	35	32	16	7
SCS-012/090	125	225	900	12	19	37	40	38	34	17	13
SCS-015/060	150	250	550	7	12	24	30	35	31	15	8
SCS-015/090	150	250	900	10	15	32	38	37	34	17	14
SCS-020/060	200	300	550	6	10	20	27	33	19	9	10
SCS-020/090	200	300	900	9	14	28	32	35	28	14	18
SCS-020/120	200	300	1150	12	17	36	41	43	28	14	18
SCS-025/060	250	350	550	5	10	19	25	29	18	9	12
SCS-025/090	250	350	900	7	12	23	30	30	22	11	21
SCS-025/120	250	350	1150	10	15	32	37	38	26	13	22
SCS-031/060	315	415	550	5	8	15	20	22	17	10	14
SCS-031/090	315	415	900	7	10	20	30	29	18	11	25
SCS-031/120	315	415	1150	9	13	22	32	33	19	11	26

Pressure loss through these silencers is negligible, as there is no restriction to the airflow path.