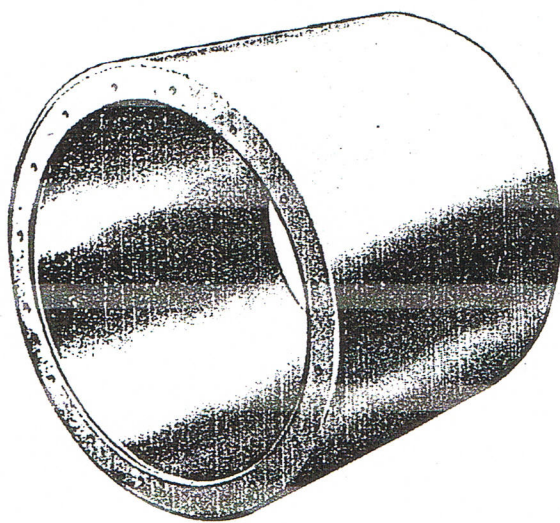


SILENCERS



SILENCER ATTENUATION

The figures shown opposite represent typical insertion losses when the appropriate silencer is fixed directly to the discharge of a fan operating at the middle of its performance range. Attenuation can vary with certain intake conditions and in high volume or high temperature situations.

Two types are available, either straight through type or pod type, both of these are supplied in three different lengths.

1D — equivalent to 1 fan diameter

2D — equivalent to 2 fan diameters

1.5D — equivalent to 1.5 fan diameters

Silencers are constructed from galvanised mild steel and are drilled to suit fan flange. The acoustic material is retained by an inner perforated case. Special finishes can be supplied to cater for high temperature, corrosion and saturated atmospheres.

Fan Size	Type	Length	IN DUCT ACOUSTIC PERFORMANCE DYNAMIC INSERTION LOSS (20°C) OCTAVE BAND MID FREQUENCY							
			63	125	250	500	1K	2K	4K	8K
250	Thru	1D	0	0	2	5	7	5	4	3
	Pod	1D	1	3	7	11	22	28	20	15
315	Thru	1D	1	2	4	9	11	10	9	7
	Pod	1D	2	5	5	9	18	20	18	15
400	Thru	1D	2	3	5	10	13	11	9	8
	Pod	1D	2	6	6	10	19	24	20	17
500	Thru	1D	2	3	6	13	14	10	10	5
	Pod	1D	2	3	8	16	21	22	21	16
630	Thru	1D	2	5	7	15	13	8	9	8
	Pod	1D	3	5	8	15	19	16	14	12
710	Thru	1D	3	5	7	15	13	9	9	8
	Pod	1D	3	5	8	15	19	15	14	12
800	Thru	1D	3	5	8	16	12	12	11	10
	Pod	1D	4	5	8	16	19	15	14	13
900	Thru	1D	3	5	10	17	13	11	10	8
	Pod	1D	4	5	9	17	19	15	14	13
1000	Thru	1D	4	5	11	16	11	10	8	9
	Pod	1D	5	5	11	18	19	15	14	13

SILENCER PRESSURE LOSS

Straight Through
Type:— Negligible

Pod Type: See Chart

