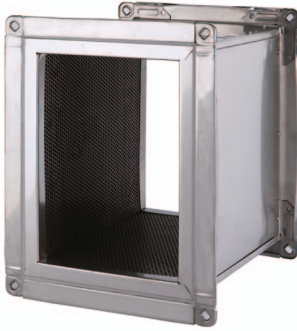


# SD Sound Absorbing Duct



## ■ Features

It is installed on the outlet or inlet of the air conditioning units and fan, and in a place where soundproofing equipment such as sound arrester and sound chamber are not available because its installation is not constrained by space. It is easy to install and useful in reducing noise inside ducts and subsequent noise as well.

## ■ Model denotation method

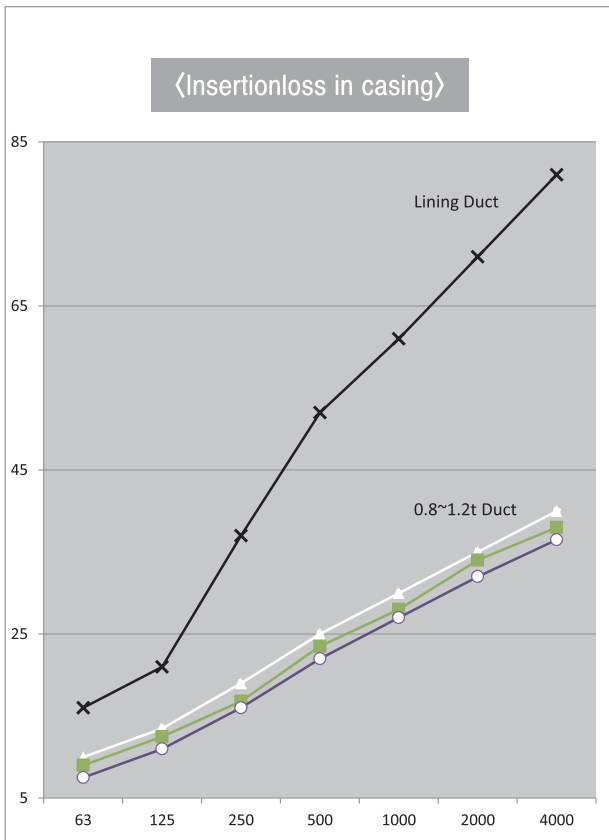


- ① Method of protecting the sound-absorbing material
- ② Width of sound-absorbing duct(mm)
- ③ Height of sound-absorbing duct(mm)

## ■ Comparison of the sound-absorbing ducts' external insertion loss

Dimensions	63	125	250	500	1000	2000	4000
Lined Duct 25t	13	17	21	33	47	63	71
Lined Duct 50t	14	18	21	40	55	64	74
0.8t Unlined Duct	9	12	17	21	27	32	37
1.0t Unlined Duct	11	14	18	23	28	34	38
1.2t Unlined Duct	12	15	20	25	30	35	39
1.6t Unlined Duct	14	18	22	27	32	37	42
2.0t Unlined Duct	16	20	24	29	34	39	43

## ■ Comparison of the sound-absorbing ducts' external insertion loss



## ■ Sound attenuation amount of sound-absorbing duct (dB/m)

Dimensions, mm	Insertion Loss(dB/m), Octave Band Center Frequency(Hz)					
	125	250	500	1000	2000	4000
150 X 150	2.0	4.9	8.9	19.0	24.3	14.1
150 X 250	1.6	3.9	7.9	16.7	20.0	12.1
150 X 300	1.6	3.9	7.5	16.4	19.0	11.8
150 X 460	1.6	3.3	7.2	15.4	17.1	10.8
200 X 200	1.6	3.9	7.5	16.4	19.0	11.8
200 X 300	1.3	3.3	6.9	14.8	16.1	10.5
200 X 460	1.3	3.0	6.6	14.1	14.8	9.8
200 X 610	1.3	2.6	6.2	13.1	13.5	9.2
250 X 250	1.3	3.3	6.9	14.4	15.4	10.2
250 X 410	1.3	2.6	6.2	13.1	13.1	8.9
250 X 510	1.0	2.6	5.9	12.5	12.1	8.5
250 X 760	1.0	2.3	5.6	11.8	10.8	7.9
300 X 300	1.3	2.6	6.2	13.1	13.5	9.2
300 X 460	1.0	2.3	5.6	12.1	11.5	8.2
300 X 610	1.0	2.0	5.6	11.5	10.5	7.5
300 X 910	1.0	2.0	5.2	10.8	9.5	7.2
380 X 380	1.0	2.3	5.6	11.8	10.8	7.9
380 X 560	1.0	2.0	5.2	10.8	9.5	7.2
380 X 760	1.0	1.6	4.9	10.2	8.5	6.6
380 X 1140	0.7	1.6	4.6	9.5	7.9	6.2
460 X 460	1.0	2.0	5.2	10.8	9.5	7.2
460 X 710	0.7	1.6	4.6	9.8	7.9	6.2
460 X 910	0.7	1.6	4.7	9.2	7.2	5.9
460 X 1370	0.7	1.3	4.3	8.9	6.6	5.6
610 X 610	0.7	1.6	4.6	9.2	7.2	5.9
610 X 910	0.7	1.3	3.9	8.5	6.2	5.2
610 X 1220	0.7	1.3	3.9	7.9	5.6	4.9
610 X 1830	0.7	1.0	3.6	7.5	5.2	4.6
760 X 760	0.7	1.3	3.9	8.2	5.9	5.2
760 X 1140	0.7	1.0	3.6	7.5	5.2	4.6
760 X 1520	0.7	1.0	3.6	7.2	4.6	4.3
760 X 2290	0.3	1.0	3.3	6.9	4.3	3.9
910 X 910	0.7	1.0	3.6	7.5	5.2	4.6
910 X 1370	0.3	1.0	3.3	6.9	4.3	3.9
910 X 1830	0.3	1.0	3.3	6.6	3.9	3.9
910 X 1830	0.3	0.7	3.0	6.2	3.6	3.6
1070 X 1070	0.7	1.0	3.3	6.9	4.6	4.3
1070 X 1630	0.3	1.0	3.0	6.2	3.9	3.6
1070 X 2130	0.3	1.7	3.0	5.9	3.6	3.6
1070 X 3200	0.3	1.7	3.0	5.6	3.3	3.3
1220 X 1220	0.3	1.0	3.3	6.6	3.9	3.9
1220 X 1830	0.3	0.7	3.0	5.9	3.3	3.3
1220 X 2440	0.3	0.7	2.6	5.6	3.3	3.3
1220 X 3660	0.3	0.7	2.6	5.2	3.0	3.0