

# PRIVACY DUCT SILENCERS

ELIMINATE ROOM TO ROOM NOISE FROM  
SHARED DUCTS IN OFFICES/PLANTS

ISOLATE THEATER NOISE TO ADJACENT ROOMS

REDUCE FAN NOISE FROM LARGE HVAC UNITS

STOP FAN NOISE TRAVELING DOWN DUCTS



Length	5' standard (tip-to-tip)
Velocity	3000 FPM
Operating Temp	0-350° F
Working Pressure	20" WC + and -
Burst Pressure	40" WC
Metal Core	.0055" thick, AL 30003 - H111
Insulation	1.5" thick, .5 lb. density
R-Value	4.5
Metal Sleeve	Inner Ply .0025" thick, AL 1100 - H19 Outer Ply .003" thick, AL 3003 - 0

## Construction Details:



### Perforated Metal Core

Constructed from one ply of perforated and corrugated aluminum with interlocked seams, folded flat and knurled for flexibility and strength.



### Fiberglass Insulation Wrap:

The core is then completely wrapped with a blanket of fiberglass insulation.



### 2-Ply Metal Sleeve:

The exterior sleeve is constructed with two plies of aluminum permanently fused together and corrugated. This creates a continuous inner and outer surface that is airtight, flexible and strong. Inlet & outlet collars are attached to the ends.

Our Privacy Duct Silencers are designed to be the best performing insertable option for privacy between rooms. At 60" long and less than 10 lbs, these silencers will significantly reduce sound transmission from both the fan motor and noise created in your home theater, studio, or kids playroom.

Many times the ducting for heat and air is overlooked as a potential flanking path, sometimes reducing the effectiveness of our soundproofing design by 15%. We now have a cost effective, simple to install, solution for just this type problem.

Privacy Duct Silencers are compatible with rigid metal ductwork (round or square), and any flexible ducting. Silencers are sized according to diameter of the existing duct. The installation is as simple as making a 60" cutout in the existing duct and inserting the silencer, taping the joints, and you are done.

Size	Length	Price
6"	60"	\$150
8"	60"	\$170
10"	60"	\$200
12"	60"	\$230
14"	60"	\$270

## Radiated Noise Reduction

- ▶ Terminal box throttling damper noise will not go through the attenuator wall into occupied space.
- ▶ Eliminates box-to-box crosstalk noise.
- ▶ To enable calculating the fan noise reduction through or past the terminal box to downstream components.
- ▶ To substitute for double-wall duct in space where difficult offsets might occur.

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