



**D**uct Silencers are normally used for attenuating noise from air ducts or outlet openings. They could be fabricated in modular unit sizes to fit all ducts or openings without transitions, and banks without major blank-offs.

## Rectangular Silencers

We have two series of silencer, namely RLC and RSS series, to fit respective uses in commercial or higher noise attenuation applications. Wide variety of choices ranging from standard low, medium-low, medium and high velocity models for general selection purpose is available. Standard length are in 900, 1500, 2100 and 2700mm or any multiple of 300mm over a minimum of 600mm length.



### Features

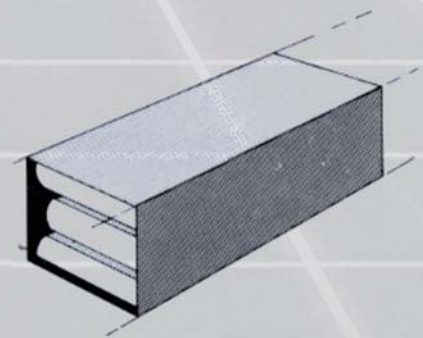
- **Acoustics** : For a 1500mm length RLC type rectangular silencer used at low velocity case, an insertion loss of 25dB at 250Hz could be achieved

With the length of silencer increase to 2700mm, it gives you more than 40dB attenuation at 250Hz according to the ASTM E-477 testing method

- **Aerodynamic** : Around 50Pa at airflow velocity of 7m/s while subject to various model selection

- **Application** : Airducts connecting to noisy blowers, chiller unit and power generator cooling air intake and discharge or noisy plant room require large volume of cooling air ventilation

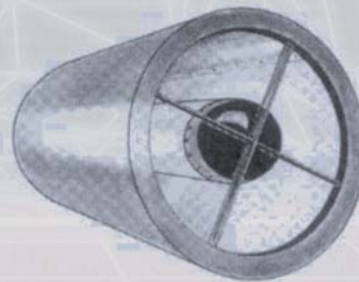
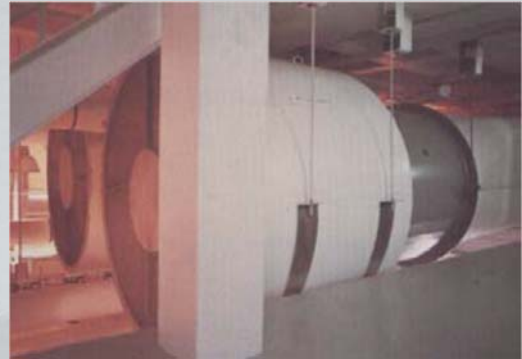
Acoustic splitter silencer is also available for use at ventilation tunnels or large scale ventilation system





## Circular Silencers

Model CST, a straight through construction and Model CCB with centre pod are available for choice at different noise attenuation applications. Silencer length are in general in multiples of its diameter, e.g. one, two or three times of its diameter in length. Different diameters and lengths are available to suit all ranges of fans or ducts, space and operating limitations.



### Features

- **Acoustics** : For a CST circular silencer (no pod) with 600 diameter and 1200mm (2 times of the diameter) length, it gives you an insertion loss of 18dB at 500Hz

While the shifting of a CST to CCB circular silencer with centre pod, the insertion loss for same construction and length will give you as high as 33dB at 500Hz

- **Aerodynamic** : Model CST is a straight through design that air friction loss across silencer is minimal and could be treated zero

For CCB type, friction losses are varying as according to velocity of airflow across silencer

- **Application** : Direct coupling to axial type ventilation fans or circular ductworks