

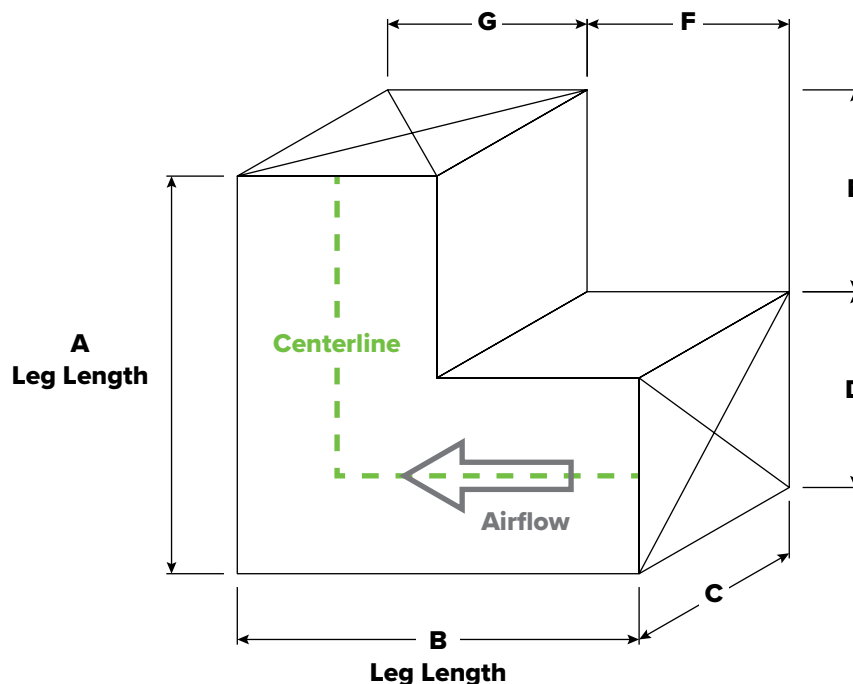
# ELBOW SILENCER CENTER-LINE DEFINITION

Vibro-Acoustics' **RED** (Rectangular Elbow Dissipative), **REFL** (Rectangular Elbow Film Lined) and **RENM** (Rectangular Elbow No-Media) silencers incorporate a full 90 degree and/or a partial bend to fit the duct system configuration.

Vibro-Acoustics defines the length of an elbow silencer as being the dimension measured along the geometric centerline of the silencer in direction of airflow. This centerline length may be determined using the following formula:

$$\text{Centerline Length} = (A - (D/2)) + (B - (G/2))$$

Vibro-Acoustics schedules and submittals showing the length of elbow silencers are referring to this centerline length. Typically elbow silencers are submitted with equal leg lengths. However, silencer leg dimensions may be altered to suit duct design or site conditions providing the sum of the E and F dimensions remains the same.



**2" slip connection at each end unless otherwise noted.**  
This drawing is a pictorial representation only.