

## Ductwork



Ductwork is made up of rectangular or round ducts, or a series of sectioned tubes, that convey either heated or cooled air from the furnace or air conditioner through out the building. Ducts can also be used for exhausting or removing air from a harmful process. They can be used to remove dust or debris/by-products from any type of manufacturing process with the use of fans, collectors and scrubbers.

Selection of ductwork material is based on its function and composition of the air that travels through it. Be sure to call our experts to assist you in selecting the perfect match.

**Galvanized steel** ductwork is used for moving standard “clean” air.

**Aluminum** ductwork is best for air containing high humidity or has certain chemical properties, such as salt, that would otherwise eat through galvanized steel.

**Stainless steel** should be used in applications where the ductwork need to be washed frequently, like in the Food and Drug Industry or exposed restaurant kitchens. Stainless steel is also used in laboratories or chemical plants where aluminum is not resistant enough.

**Black iron steel**, which is the least expensive, is best used with grease-laden air such as kitchen exhaust, on boiler breeching or moving air where little or no moisture is present.

**Copper** material is selected when appearance is of extreme importance. Copper is the most expensive, but provides that ‘wow-factor’ for a unique design.

Ductwork can also be made from different **plastic** compositions when a steel product would not withstand specific chemical properties.