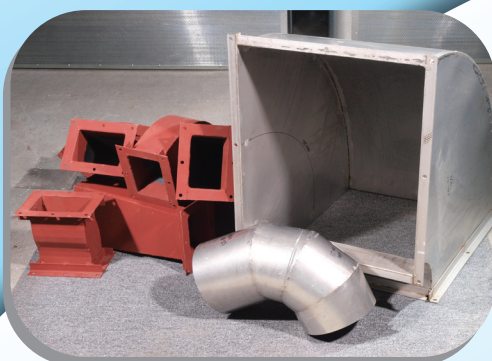




رابيد كول للصناعات ش.ذ.م.م.
Rapid Cool
INDUSTRIES L.L.C.

ONE STOP SOLUTION FOR ALL YOUR HVAC AIR DISTRIBUTION REQUIREMENTS



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ABOUT US

RAPID COOL GROUP



Rapid Cool Group (RCG) of Companies began its operations through a trading division (Rapid Cool Trading Co. LLC) in 1995 in Dubai, UAE. Since its inception and even today, Rapid Cool Trading Co. LLC's core activities include representation of renowned European and North American MEP manufacturers. The company's founders had a vision to nurture and grow the Rapid Cool brand into a leading provider of HVAC related equipment.

As the UAE and Middle East gained international recognition, RCG opened additional branches in Sharjah and Abu Dhabi to cater the growing requirements of the region. In addition, RCG made its first international presence by opening an office in USA in 1999. An independently run company today, Rapid Cool Trading USA focuses on providing turnkey solutions to Original Equipment Manufacturers in North America and Europe.

Through our dedicated and experienced workforce, we have been part of several prestigious projects in the Gulf Region. In addition, our close relationship with our associates both locally and internationally has resulted in superior quality products. With further expansion plans in store, Rapid Cool is here to stay and position itself as a leader in the HVAC industry.

RAPID COOL INDUSTRIES L.L.C.

With the vision of RAPID COOL GROUP to be a One Stop Solution for HVAC equipment and Air Distribution Systems to local and International MEP Contractors, RAPID COOL INDUSTRIES L.L.C. (RCI) was established in 2012. RCI is managed by a group of professionals well known in the HVAC Air Distribution Industry, who are pioneers of pre-fabricated duct concepts in U.A.E.

An ISO 9001:2008 certified company, RCI operates from its state of the art manufacturing facilities spread over 16,000 ft² area strategically located in the heart of Dubai's Al Quoz Industrial Area. The RCI facility is equipped with state of the art machinery from UK, Switzerland, Germany and Turkey.

RCI has a dedicated team of 10 professionals and 50 highly skilled workers engaged in providing customized solutions for air distribution systems and sheet metal works. At RCI, we manufacture all types of High Quality Air Distribution Ducts to meet any requirement in a supervised environment. Quality is never compromised as each product goes through stringent quality checks. Meeting client deadlines and providing prompt after sales service to all customers is a priority at RCI.

RCI has 4 internal divisions with a dedicated supervisor for each division:

- ❖ **G.I. Ducts Division** : Galvanized steel ducts and plenums with monthly production of approximately 8 tons of ductwork
- ❖ **Welded Ducts Division** : Stainless steel, black carbon steel and welded aluminum ducts are fabricated with high precision
- ❖ **Pre-Insulated Ducts Division** : PIR, phenolic foam, fiber glass pre-insulated ductwork, acoustic lining and insulation work
- ❖ **Airodyne Division** : sound attenuator, VAV terminal boxes, VCDs, access doors and other miscellaneous sheet metal work is under taken in this division

Since its inception in 2012, RCI has already gained reputation among major MEP contractors in a short span. Our ability to meet all client requirements has resulted in the execution of several prestigious projects in UAE.

PRODUCTS & SERVICES

AIR DISTRIBUTION DUCTS

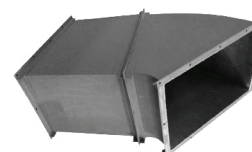
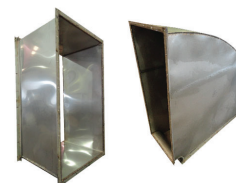
GALVANIZED STEEL ducts fabricated out of hot dipped galvanized steel zinc coating of 275g/M² (Z27) equivalent to G90. Fabrication can be done in accordance with SMACNA, DW 144 or any customized specification. We also have experience in the fabrication of ducts for fire rated applications in accordance to Flambar or Fenland FFC specifications. Fire resistant coating can be organized through local authorized dealers of these companies.

STAINLESS STEEL (SS) ducts, fabricated out of SS sheets grade 316L or grade 304 with mill finish or 2B finish as may be specified. Ducts are fabricated in Pittsburgh lock formed longitudinal seams from 0.50 mm to 0.90 mm and fully welded longitudinal seams with SS companion angle flanges from 1.00 mm to 3.00 mm thickness.

BLACK CARBON STEEL ducts for kitchen extract applications are fabricated with full seam welding at longitudinal seams. Ducts are fabricated air and water tight in accordance to DW 172 or any other customized specification. MS companion angle flanges for transverse joints are fully welded at the lip and tack welded at the back to provide air and water tightness as well as strength from the back.

ALUMINUM Ducts are fabricated between 0.60 mm and 3.00 mm thickness with Pittsburgh lock formed longitudinal seam and fully welded longitudinal seam for use in special applications such as swimming pools, laboratories etc. Longitudinal Seams are selected based on application, pressure class and size of the ducts. These can be cleated, self-flanged or use in companion angles flanges.

PRE-INSULATED PIR Ducts are fabricated for non-fire hazardous application. Due to its light weight and easy installation PIR Ducts are popular and widely accepted for open areas such as shopping malls, villas and apartments. At RCI, we fabricate and supply PIR ducts using any specified brand with professionalism in a cost effective manner.



AIRODYNE DUCT ACCESSORIES

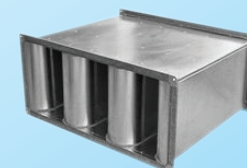
At RCI, we manufacture duct accessories under the AIRODYNE brand name. All accessories are manufactured using international standards such as SMACNA (USA), Building & Engineering Services Association (UK) and European standards ensuring high precision and quality.

Airodyne - Sound Attenuators

AIRODYNE SOUND ATTENUATORS are designed and manufactured in technical collaboration with METRICO (UK). Airodyne sound attenuators can be fabricated in galvanized steel, stainless steel, fire resistant coated casings with aerofoil baffles. Rectangular, round shaped and L-shaped options are available. The acoustic performance of Airodyne Sound Attenuators has been tested by an independently laboratory in USA.

Airodyne – Variable Air Volume Terminals

AIRODYNE BY PASS VAV TERMINAL UNITS are designed to ensure low leakage and air tight operation in accordance to International standards of DW 144 & ASHRAE. Data is tested in accordance to ARI Standards.





Airodyne – Manual & Motorized Volume Control Dampers

AIRODYNE VOLUME CONTROL DAMPERS are manufactured using latest specifications and international standards. These are designed to meet airflow control requirement of the air ducts maintaining constant pressure drop. The dampers are manufactured for rectangular, round or oval duct system using high quality galvanized steel or stainless steel.

Blade Profile varies depending upon usage and specifications. These are:

- ❖ Double Skin Aerofoil Blades parallel or opposed blades
- ❖ Single Skin V Grooved Blades
- ❖ Single Skin Plate Blades



Airodyne – Duct Access Doors & Panels

AIRODYNE ACCESS DOORS are manufactured using high quality material viz. steel sheets, insulation and gasket meeting international standards. Construction type varies depending upon utility. These are:

- ❖ Detachable type for rectangular ducts with cam lock
- ❖ Hinged type for rectangular ducts with hinge and cam lock
- ❖ Access doors for round ducts
- ❖ Fire resistant heavy duty access doors



Airodyne - Sand Trap Louvers

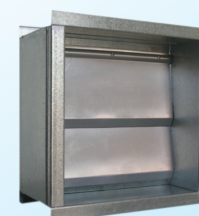
AIRODYNE SAND TRAP LOUVERS are designed to trap large sand particles from fresh air intakes at high velocity. This reduces excessive usage of filter media. Accessories include filters and wire mesh.

Airodyne Sand Trap Louvers are manufactured after a thorough study of the system free area, pressure drop and airflow. The construction material varies with utility and includes aluminum, stainless steel, galvanized steel and powder coated.



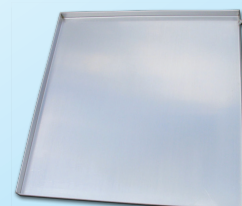
Airodyne - Non-Return Dampers

AIRODYNE NON-RETURN DAMPERS are designed to allow air flow one way at a preset pressure and prevent back flow. Casing is constructed using 18 gauge galvanized steel sheets. Blades are manufactured using 0.50 - 1.00 mm extruded aluminum. A pressure designed counter weight is provided to hold the set pressure.



Airodyne - Drip Trays

AIRODYNE DRIP TRAYS are designed and manufactured to prevent falling of drain water from fan coil units above the false ceiling. The drip trays are constructed using galvanized steel or stainless steel sheets with a drain connection and insulation.



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