

Sheet Metal Fabrication for Air-Conditioning Industry



ASTIC INSULATION MATERIALS INDUSTRIES L.L.C

استيكل لصناعة المواد العازة
ASTIC INSULATION

MATERIALS INDUSTRIES L.L.C
P.O. Box : 32218, DUBAI - U.A.E.



Defining Air Solutions.....

INTRODUCTION

ASTIC is Specialist manufacturer of HVAC Ductwork Since its inception in 2012 in Dubai, United Arab Emirates. ASTIC proudly continues to increase the products range manufacturing and distribute its products across Middle East and Beyond Borders.

ASTIC always endeavor to continue to adopt innovative approach to add value our products and in turn transfer the value to our clients by keeping abreast with modern technology and latest expertise with processing of latest machines and engaging qualified professionals. ASTIC focuses on meeting the demand of its customers with producing a large volume of daily output with controlled quality.

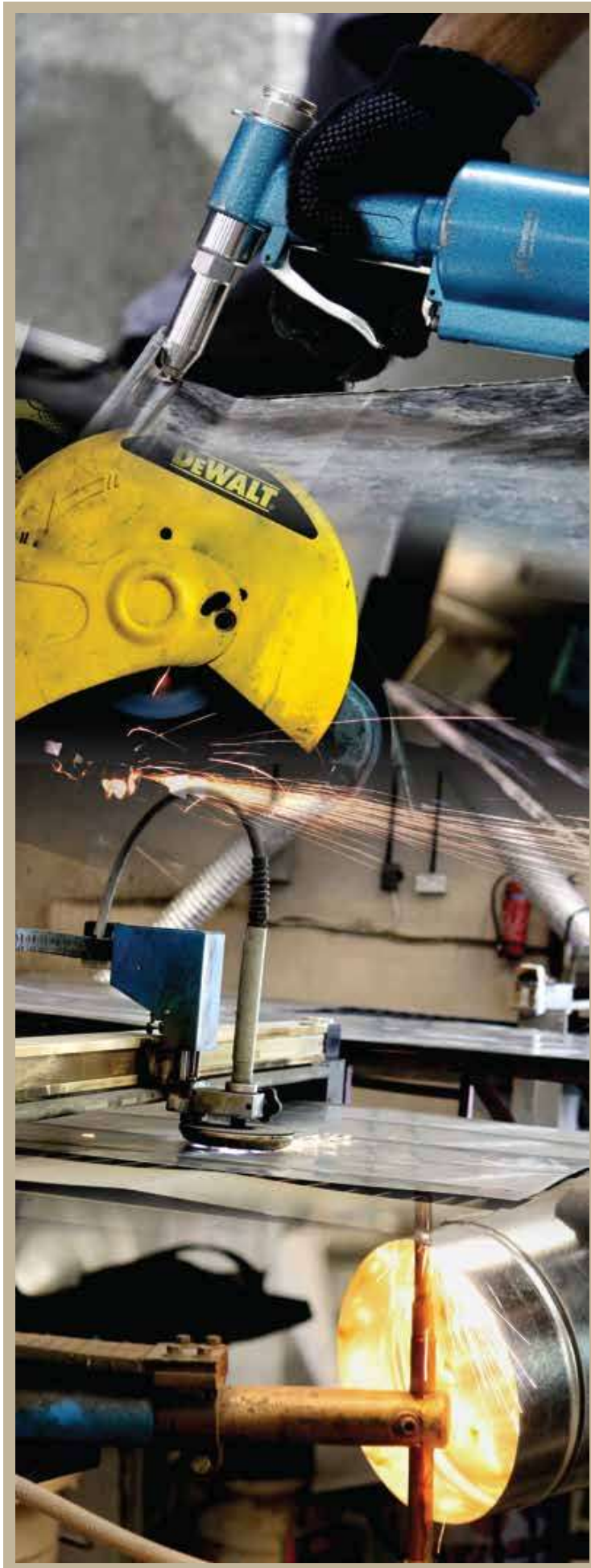
We pride ourselves in having all of the latest and best equipment to ensure high quality speedy turn-around times to our customers.

ASTIC HVAC Duct Pieces or ASTIC accessories; QC takes the utmost care in ensuring that the Quality standards achieved. ASTIC's ISO 9001:2000 certification is testament to the company's relentless focus Quality. ASTIC mission is to help HVAC contractors realize their highest potential & needs. We achieve this by Estimating, Fabricating and delivering the highest quality sheet metal products available in accordance with the latest international standards like: SMACNA, DW-144, ASHRAE, etc. We will perpetually

Adapt to meet the changing needs of our clients while maintaining the time-tested values of hard work, honesty, and accountability.

Our objective is simple: to get you, HVAC contractors, the fabricated Sheet metal you need, when you need it. We are experience in a wide variety of projects including Hospitals, Palaces, Educational, and Office tenant, Healthcare Medical Centers, Laboratory, Hotels and Municipal Buildings. Whether it's new construction, renovating or up-fitting,

We are experienced in any and every type of HVAC Ductworks includes...





Defining Air Solutions.....

RECTANGULAR GI DUCT

ALFA (GI) ducts are fabricated on computerized programming machineries such as Auto Folder, CAD/CAM in build plasma arc cutting machine & Auto seamers.

These ducts are fabricated out of the hot dip galvanized steel in accordance with ASTM A653-lock forming quality with G90 Z275 (275 gm/Sq Mt)zinc coating specification. ALFA ducts are constructed in accordance with SMACNA, DW-144 standard, which provides superior strength, low leakage rate and vibration free ducting. All GI ducts shall have 300mm distance beading on coil length, which acts as sheet stiffening and help minimizing vibration and drumming noise of sheet panels.

ALFA(GI) ducts are equipped with special identification stickers on the duct pieces which refer to AC unit/drawings/area's for an easy installation.



FACTORY INSULATED DUCTING



Astic's inhouse manufacturing facility caters high quality application of insulation on various ducting.

- GI duct with fiber glass insulation with canvas wrapped vapor barrier & anti fungal coating (25mm/25 Kg/m³ density for outdoor purpose)& in house application of acoustic liner inside the ducting.
- GI ducts with XP rubber insulation (13mm/25mm)canvas wrapped vapor barrier & antifungal coating
- GI/MS/SS ducts with rockwool insulation for kitchen extract & smoke extract system as per NFPA standard.
- SS Double skin ducting wrapped with ceramic blanket insulation for high temperature thermal insulation.



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STAINLESS STEEL DUCT

Duct is fabricated out of prime SS Sheets of 316 / 304 grades with fully TIG welded longitudinal and transverse joints (self-flange joints or SS angle) all SS duct are chemically treated with pickling solution in order to maintain the esthetic finish, SS Duct insulated with Rockwool are mainly used in kitchen extract system of hotels & Restaurants, advantage of Stainless ducting its non-corrosive in nature, durability is more as compare to GI duct system.



MILD STEEL/CARBON STEEL DUCT



Black steel ducts are fabricating from hot rolled or cold rolled black steel sheets with fully welded construction to achieve leakage proof. Mainly black steel duct are fabricating with sheet thickness of 1.20 to 3.00mm with transverse joints with rolled sheet angles. Black steel ducts are mainly used for kitchen exhaust because of its in heat fire resistant characteristic. The fire resistance characteristic of black steel ducts can further enhanced by Fire Rate coating with multiple coat of red oxide along with high density Rockwool insulation conforming to NFPA 96 standard.

ALUMINUM DUCT

ALFA aluminium sheets of AA1100/equal grade of sheets with hemmed "S"&"C" cleats or flanged type transverse joints. This type duct's mainly used in swimming pools, Laundry and clean room of sensitive/Industrial films etc.



PVC COATED GI DUCT



Polyvinyl Coated Ductwork (PVC Duct) brings together the strength and durability of steel along with the corrosion resistance of polyvinyl chloride. This makes PVC duct perfect for underground air delivery and fume exhaust applications. When Engineers and architects specify underground ductwork, PVC duct is the product of choice.

Polyvinyl Chloride coated duct is non-reactive safely channeling away fumes and PVC ductwork will not rust, crack, hip, peel or corrode. PVC duct can be encased in concrete and requires no protection from the minerals and salts often found in backfill. It can be placed in direct contact with the soil assuming proper drainage is employed to prevent standing water.