



Specialists in Electro-Mechanical
And Environmental Projects

complete HVAC system
solution provider





Envicon is largest manufacturers of Rectangular and Spiral HVAC ducting in the Gulf. Having already supplied ducts to several prestigious projects in the Gulf, **Envicon** is fully geared to meet the challenging sheet metal needs of HVAC contractors across the world.

DUCT MANUFACTURE AUTO-LINE III

The AUTOLINE III duct processing coil line offers the ability to produce a 1300 mm fully wrapped duct section (which will require only one longitudinal seam) common "L" shape duct sections, "U" shaped duct, flat duct and cut-to-length flat sheets.



PLASMA CUTTING MACHINE FOR DUCT

Model: ACL-3100 & ACL-5100

To meet the market's need, ACL Company assimilates the new world techniques to develop the plasma cutting machine series. The plasma cutting machine is of two types: ACL-5000 and ACL-3100. Both machines consist of a main operation system and a special software system. The control system uses an industrial computer. The cutting software is of two types: universal sheet cutting software FASTCAM and specific duct former software LANTEK or CAMDUCT.



American Hypertherm plasma unit



TDC Flange roll forming machine

Model: TDC-30



Rectangular Duct System

Envicon Rectangular Duct System is manufactured to meet the most stringent HVAC/Industrial specifications and quality standards using Leminar s' vast experience and expertise in the field and its state-of-the-art equipment.

For over a decade, Leminars' Flotek Rectangular Duct System is available for various HVAC and other industrial/commercial applications. Energy efficiency through minimum air leakage rate and indoor air quality are the basis of Leminars' engineered products.

Ducts are manufactured on CNC machinery such as Auto fold & Shearing machines, Plasma Arc Cutting machines, and Auto Seaming machines.

Envicon Rectangular Ducts are available in the following construction :-

Galvanised Construction :- Floteks' GI rectangular ducts are fabricated out of hot dipped galvanised sheets in accordance with AS™ A 653, Lock forming quality with G90 / Z27 (275 grams / m) zinc coating.

Stainless steel :- Floteks' SS ducts are fabricated out from prime SS sheets of 316 / 304 grades with fully welded longitudinal and transverse joints.

Black steel / Mild steel ducts :- Floteks' black steel ducts are fabricated from hot rolled / cold rolled black steel sheets with fully welded longitudinal and transverse joints.

Aluminium ducts:- Floteks' Aluminium ducts are fabricated from aluminium sheets of AA1100 / Equal grade of sheets with Hemmed 'S' & Drive 'C' cleats or flanged type transverse joints.



Product Features :

- Excellent quality ducts fabricated from a variety of GI sheet makes.
- Mild / Black steel and Stainless steel rectangular ducts can be fabricated with fully welded longitudinal and transverse joints for airtight and watertight joints.
- Duct construction as per DW144 / SMACNA/ASHRAE standards provides superior strength, low leakage rate and vibration free products.
- No limitation on duct size. Any size of duct can be constructed.
- Less leakage with superior quality slip on flange transverse joints with integral sealant. TDF type integral flanges are also available as an option.
- All GI ducts shall be with beading at 300mm distance, which act as stiffeners and help minimizing vibration and drumming noise of duct sheet panels. Tie rods and stiffeners shall be provided, if required.
- Factory fabricated and "Ready to Install" ducts at the site.
- Accurate in finished dimensions.
- Special identification stickers on duct pieces cross referred to AC units/drawings/areas for an easy installation process.
- Quick and easy installation without the use of special tools.

Spiral Duct System

"SPIROFLO" Spiral Duct System is manufactured to meet the most stringent specifications and quality standards using our vast experience and expertise in the field. This system is available in our range of products for various applications. Energy efficiency, indoor air quality and fine workmanship are the basis of our engineered products.

"SPIROFLO" Spiral Duct System is produced on original Spiro 'Tubeformer', Spiro 'Gore Locker' and Spiro 'Stitch Welder' machinery's from 'SPIRO INTERNATIONAL S.A.', Switzerland.

The "SPIROFLO" System is made on from sheet metal consisting of lockseamed round spiral tubes with an extra deformation on lock in the seam (The 'Bubblan' patent).



Product Features :

- Superior strength, low leakage rate & low pressure drop.
- Reduces low frequency noise.
- Sizes available are 100, 125, 140, 160, 180, 200, 224, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000, 1120, 1250, 1400, 1500, 1600 mm.
- Covers all pressure applications from low/medium to high pressure systems.
- Lower installation and operating cost.
- Aesthetic design for visible duct installation.
- Savings on sheet metal material due to reduced surface area as well as savings on associated items such as insulation, adhesives, canvas cloth, supports etc.
- The patented "Bubblan" reel makes sure to produce a fixed lock seam and assured duct quality.
- Meets all the duct construction standards like DW-144, SMACNA, Eurovent, etc.
- Spiral tubes can be supplied in 6 mtrs length. Hence, less number of joints with reduced cost and low leakage in the system.
- Top quality of Airtight seam and Diameter tolerance. Superior Performance through standard galvanised steel.





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