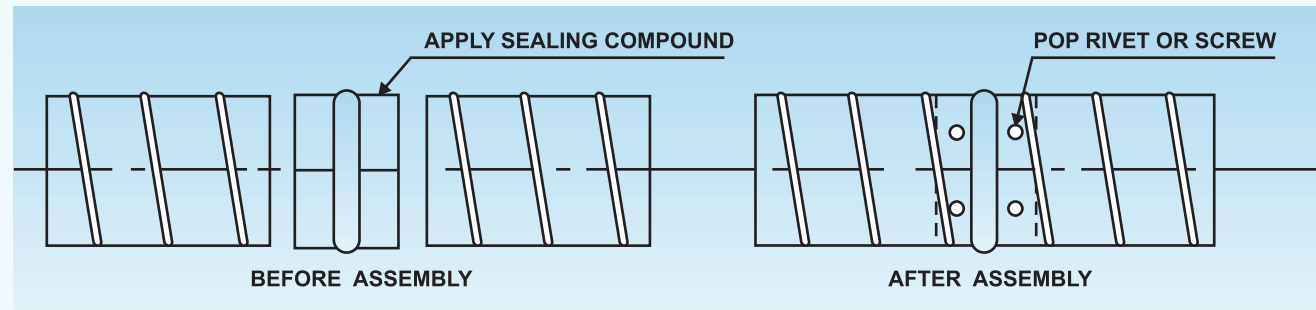
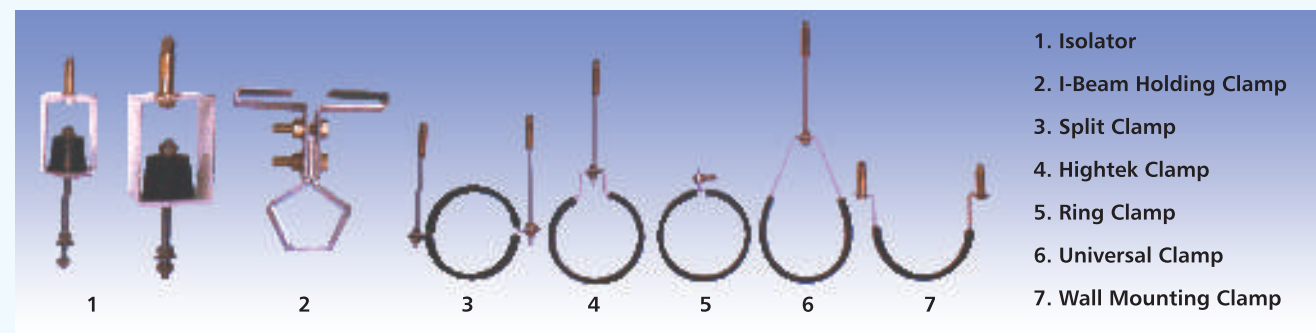


Jointing System :

Spiral Ducts and Duct fittings are joined together by slip joint coupling.



Supporting/Hanging System



NOTE : Mobile Machine is available where the quantities and location warrants

January 2009



Seven Star Aircon Ancillaries Pvt. Ltd.

Seven Star Spiral Duct.



Seven Star Aircon Ancillaries Pvt. Ltd.

Regd. Office : 9, Chari Street, T Nagar, Chennai 600 017

Ph 044 4212 4014 Fax 044-4212 4016

Email : sriram62@gmail.com ; ssankaran46@gmail.com

Factory: 12A, Thirukkachuyur & Sengundram Layout

Singaperumal Koil Post, Chengalpattu 603 204

Spiral Duct

Today, more and more companies are switching from rectangular to spiral round rigid duct work. Why is this? What advantages do spiral systems have over rectangular? The answer is simple.

- Energy efficient
- Cost less to install
- Often requires less space
- Need less hangers
- Operation cost lower
- More noise free
- Installation simplified
- Cleaning less complicated
- Airflow measurement easier
- Light in weight.



The perimeter of round ducting system is less by 20% or more of same cross section of rectangular ducting. Hence, the area of ducting and insulation required is less by the same percentage.

Applications:

- Air conditioning (including high pressure and velocity air distribution systems)
- Ventilation (Industrial & Tunnel)
- Warm air heating
- Fume and dust extraction
- Pneumatic conveying
- Exhaust and air intake pipes
- Humidification.



Specifications:

Thickness:

- 0.40mm(28G) to 1.6mm (16G)
- Thickness of Spiral ducts as per SMACNA (HVAC Duct construction standards)

Diameter (mm)	Thickness mm (G)
75 to 250	0.40 (28G)
275 to 350	0.50 (26G)
375 to 600	0.63 (24G)
650 to 900	0.80 (22G)
950 to 1250	1.00 (20G)



Diameter: 75 mm to 1600 mm

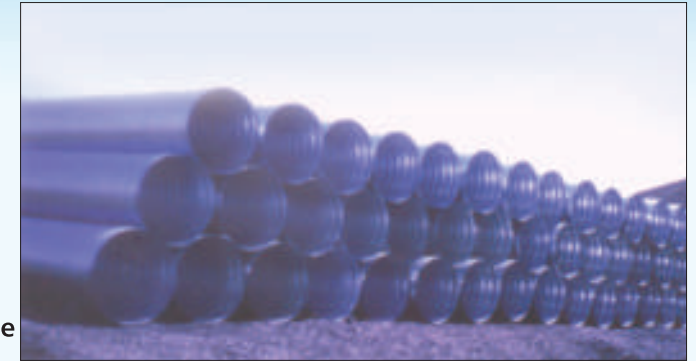
Length: Unlimited

Material:

Galvanised Steel, Aluminium, Mild Steel (CRCA), Stainless, etc.

Surface Construction:

Plain or Corrugated (to increase the rigidity of the ducting by 300%)



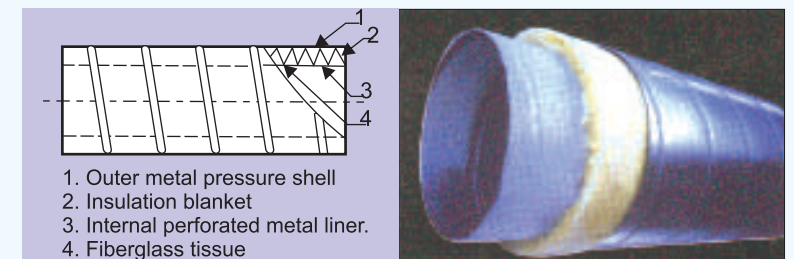
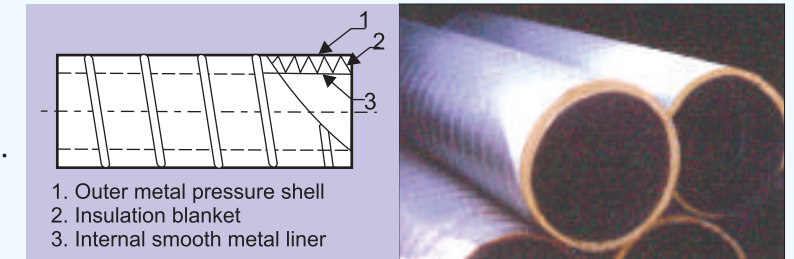
Pre-insulated Double-walled Spiral Duct Systems

A. Thermal Insulation:

A double-walled thermal insulated spiral duct consists of an external pressure-tight metal shell, a 12.5/25/50mm thickness of fiberglass/mineral wool/PUF insulation and an internal protective metal liner.

Advantages:

- Double-wall fire protection.
- No Sheet metal screws in the air stream.
- Lower friction loss
- Improved appearance
- Speed installation
- No fibers in the air stream
- Protection from external damages.

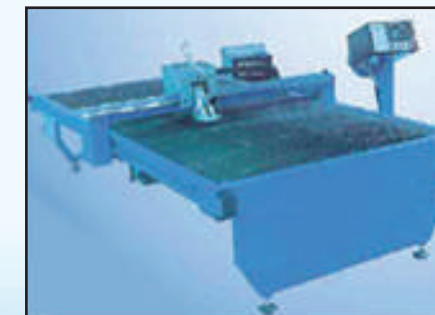


B. Acoustic Insulation:

A double-walled acoustic insulated spiral duct consists of an external pressure-tight metal shell, a 12.5/25/50 mm thickness fiberglass / mineral wool insulations and an internal perforated protective metal liner and fiberglass tissue between the perforated liner and insulation material. In addition to the above advantages this system is having the advantage of High Sound transmission loss.

Duct Fittings:

Duct Fittings, Standing seam Elbows, Reducers, End caps, Offsets, etc. are manufactured on high speed machines while maintaining the high dimensional accuracy.



CNC Plasma cutter

