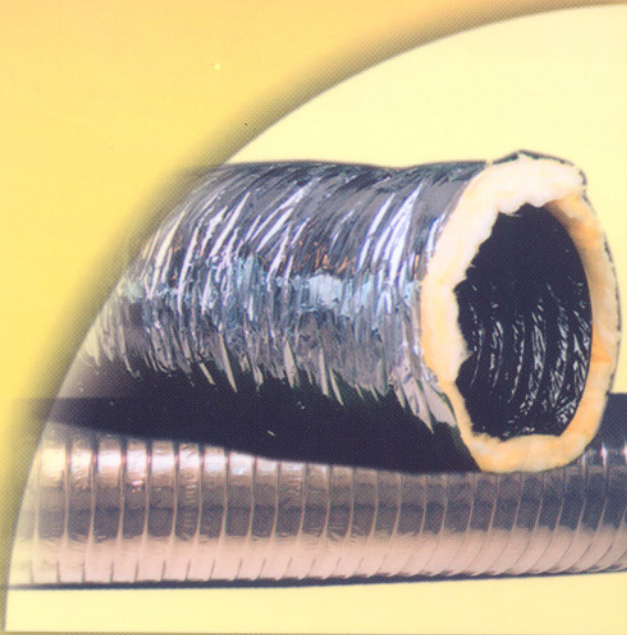




air conflex

Flexibility Meets Quality



- ★ FLEXIBLE AND DURABLE
- ★ EFFICIENT AND RELIABLE
- ★ AFFORDABLE PRICE

THE COMPANY

AIRCONFLEX INDUSTIRY L.L.C. is a subsidiary of Air Master Equipments Emirates L.L.C. who are serving the central air conditioning industry for the past 17 years as manufacturer's of quality products of diffusers, grilles, dampers, volume control dampers and fire dampers etc.,

In quest of serving the industry in a broad way **Airconflex** is venturing into the new field of manufacturing flexible and rigid ducts, insulated as well as noninstulated to the highest prevailing standards.

PRODUCT GENERAL INFORMATION

■ **Airconflex** flexible duct is a truly flexible product. Its unique manufacturing technique of bonding of three laminations with spring wire helix makes it a very strong and reliable product.

■ **Airconflex** is a strong, completely compressible lightweight duct, which is used in Airconditioning and ventilation systems.

■ **Airconflex** maintains dimensional stability when fully extended and it is highly durable.

APPLICATION

Suitable for all basic ventilation and Air conditioning including commercial, office buildings, industrial and residential applications

AVAILABILITY

Airconflex ducts are available bare or pre insulated with fiberglass insulation in standard 25 ft. length and with varying diameters of 4" - 20"

ECONOMY

The flexibility of the ducts eliminates the necessity of expensive parts and support fittings, thus reducing the cost.

ADVANTAGES

- Very high flexibility
- Very low weight
- Very easy installation
- Weather and life stability
- Low pressure losses
- Low installation costs
- Noise and vibration absorbent

CHARACTERISTICS

- **Airconflex** offers a smooth inner-core, which provides low friction loss.
- It has a high resistance for tear and puncture.
- Complies with UL 181 ratings as connector.
- Offers a high resistant to corrosion and micro-organisms.
- Ability to withstand medium air pressures.
- Spring steel wire helix assures dimensional stability.

PRODUCT AND PERFORMANCE DATA

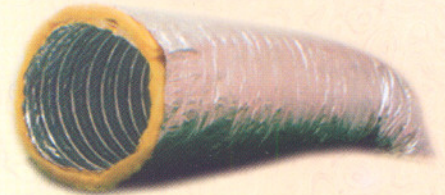
1. AF1 - AM



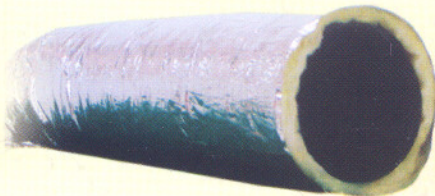
AF1 - AM is a non-insulated high quality flexible air duct consists of two plies of tough aluminium foil/polyester (total 4 plies) laminated with preglued adhesive encapsulating a spring steel wire helix

2. AF2 - AM/MM

AF2 - AM /MM is a high quality insulated aluminium foil flexible air duct using AF1 - AM as inner core. This inner core's thermal efficiency is secured by wrapping the exterior with the blanket of fiberglass insulation and sheathed in a spirally reinforced metalized polyester jacket.



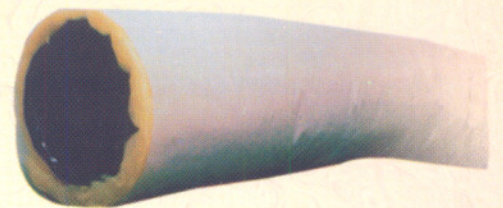
3. ACF1 - CC/CM



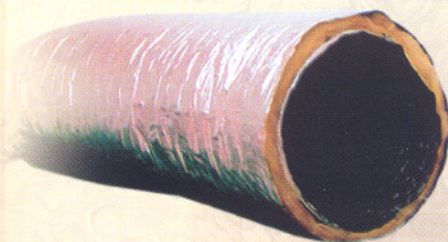
ACF1 - CC/CM is made of strong polyester encapsulating to a spring steel wire helix and colored black forms the airtight inner core. This inner core's thermal efficiency is secured by wrapping the exterior with a blanket of fiberglass insulation and sheathed in a spirally reinforced metalized polyester jacket.

4. ACF2 - CC/OPS

ACF2- CC/OPS ducts are made of strong polyester encapsulating to spring steel wire helix and colored black forms the airtight inner core. This inner core's thermal efficiency is secured by wrapping the exterior with a blanket of fiberglass insulation and sheathed by gray polyester with spiral reinforcement.



5. ACF3 - AMC/AMC



In ACF3 - AMC/AMC, an airtight triple lamination of aluminum foil, metalized polyester and polyester films encapsulating spring steel wire helix forms the inner core. The multi layer core's thermal efficiency is secured by wrapping a thick blanket of fiber glass insulation and sheathed in a reinforced metalized polyester film laminate.

6. ACF 4 - AMC/OPS



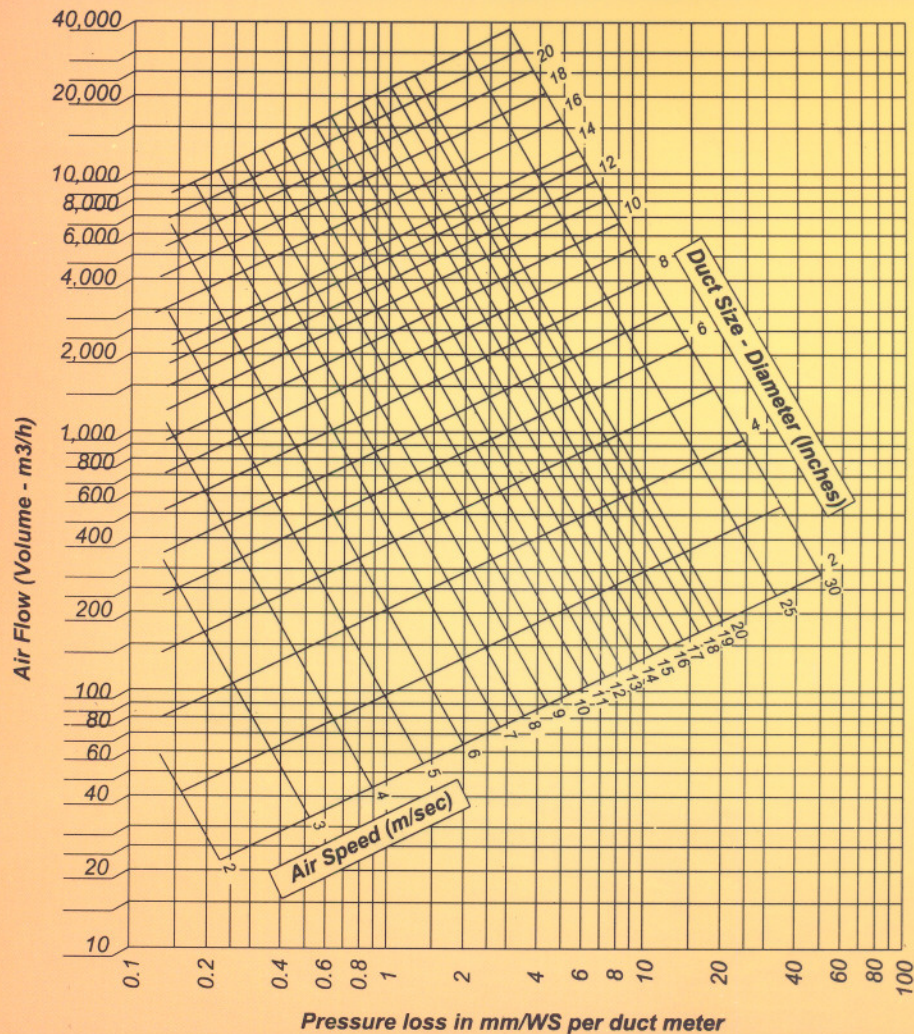
In ACF4 - AMC/OPS, an airtight triple lamination of aluminium foil, metalized polyester and polyester films encapsulating spring steel wire helix forms the inner core. The multi layer core's thermal efficiency is secured by wrapping a thick blanket of fiber glass insulation and sheathed in a spirally reinforced gray polyester jacket.

7. ACF 5 - AMM

ACF5 - AMM is a non insulated connector consists of a triple lamination of metalized polyester aluminum foil and polyester film encapsulating a spring steel wire helix.



PRESSURE LOSS DIAGRAM



TECHNICAL INFORMATION

Standard Sizes : 4" to 20" diameter
 25' length
 Suitable velocity : 25m/sec
 Packing : 1 piece / Carton

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