duraflex

FLEXIBLE DUCT

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duraflex - the name says it all, it is durable and flexible besides being compressible and light weight the qualities which make duraflex popular among contractors for Air Conditioning and Ventilation systems for Commercial, Industrial and Residential applications.

Resilience of duraflex retains its dimensional stability under pressures or when fully stretched and proves to be highly efficient when correctly installed. duraflex provides maintenance- free service life under normal operating conditions.

Prior to installation duraflex flexible duct need to be fully extended and bends formed with adequate radius to prevent corrugation as the interior may otherwise cause excessive resistance to airflow.

Applications & Benefits

- Ideal for all Air Conditioning / Ventilating Systems including those in Hospitals, Hotels, Commercial and Office Buildings and many other Industrial and Residential applications.
- Available in bare form as well as pre-insulated with fiberglass insulation.
- Offers a high degree of flexibility, which allows it to be easily connected to any desired contour.
- A quick and economical means of correcting misalignment between system components.
- Allows ducting around obstacles where fabricated and fitted ducts would be difficult and costly to install.

Features and Characteristics

- Tear and puncture resistant construction.
- duraflex offers a smooth inner core when correctly installed ensures reduction in friction loss.
- Highly resistant to corrosion and micro organisms.
- Able to withstand medium air pressure.
- Low operating cost.
- Compressed ducts reduces freight and storage costs.
- No air leakage.
- Spring steel wire helix assures dimensional stability, resists mechanical abuse and provides efficient air distribution.

Notes

- Ducting must always be installed fully extended to produce best results.
- Ensure that the duct is not in contact with sharp objects which may puncture the duct when the system is commissioned.
- We also manufacture insulated ducts with 24KG density 25mm thick insulation.

duraflex M1B

duraflex M1B is made of tough polyester, permanentaly bonded to a spring steel wire helix and coloured black.

Thermal efficiency is provided by wrapping the exterior with a blanket of fiberglass insulation. The strong outer insulation jacket/vapour barrier is made of fiberglass reinforced metallized polyester film laminate.

Standard Length:	25 Ft
Standard Diameters:	4" to 20"
Velocity:	5,000 fpm maximum
Temperature Range:	32 - 200°F
Pressure:	8" maximum working pressure
Insulation Thickness:	25mm
Insulation Density:	16 Kg/m^3
Insulation R Value:	4.2 (^{0}F-hr/BTU)
Packing:	1 piece (25ft) per Carton

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M1B

duraflex 13APM

duraflex 13APM is made of triple lamination Aluminium Foil, Polyester and Metalized Polyester film permanently bonded to a coated spring steel wire helix. Thermal efficiency is provided by wrapping the exterior with a blanket of fiberglass insulation. The strong outer insulation jacket/vapour barrier is made of fiberglass reinforced metalized polyester film laminate.

duraflex 13APM is a high quality, fully flexible acoustic ducting with an acoustically transparent interliner between the inner core and fiberglass layers. It is ideal for use in low and medium pressure ventilations and air conditioning system where attenuation of duct borne noise is required.

Standard Length:	25 Ft
Standard Diameters:	4" to 20"
Velocity:	5,000 fpm maximum
Temperature Range:	32 - 200°F
Pressure:	8" maximum working pressure
Insulation Thickness:	25 mm
Insulation Density:	16/24 Kg/m^3
Insulation R Value:	4.2 (^{0}F-hr/BTU)
Packing:	1 piece (25ft) per Carton

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13APM

duraflex 13APMD

duraflex 13APM-D is uninsulated duct made of a triple lamination of Aluminium foil, Polyester and Metalized Polyester films permanently bonded to a coated spring steel wire helix.

Standard Length:	25 Ft
Standard Diameters:	4" to 20"
Velocity:	5,000 fpm maximum
Temperature Range:	32 - 200°F
Recommended Operating Pressure:	6" w.g. Pos, all Dia. ½" w.g. neg all dia
Packing:	1 piece (25ft) per Carton

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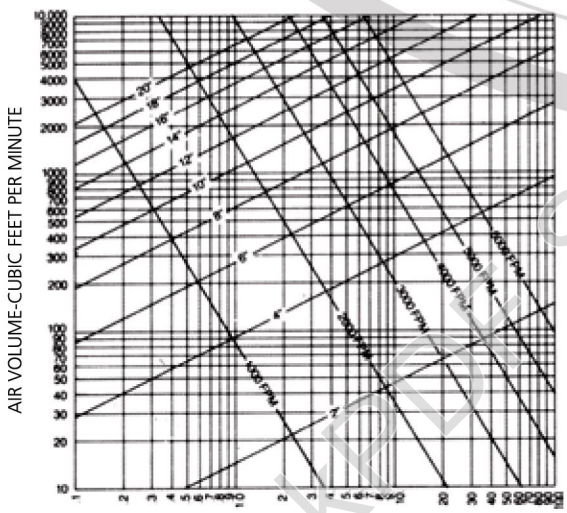
13APMD

Flexible Duct - Friction Loss Diagram

Flexible Duct - Straight Run

Friction Loss per 100 ft.



Flexible Duct - Straight Run

Friction Loss per 100 ft.