



FLEX DUCT

SPECIALISTS IN FLEXIBLE DUCTING

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Management
System
ISO 9001:2015



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ID 900004264

Semi Flexible Ducting: **Galvanised Steel Flexible**

A semi rigid and lightweight flexible duct is manufactured from Galvanized Steel which provide excellent strength and flexibility, adaptable to any low pressure ventilation or extraction systems.

INSULATION

We can insulate the semi flexible ducting as per client's requirements.

APPLICATION

The galvanized steel flexible ducts are adaptable for any low pressure ventilation and air conditioning systems. Typical applications include lost formwork, smoke extraction systems and non-corrosive waste extraction.

TECHNICAL DETAILS

- **Temperature range:** up to 650° C
- **Air velocity:** Up to 30m/s
*Note: at these velocities sound through the flex could be generated.
Recommended velocities will be 4m/s.*
- **Pressure range:** Double ply up to 3.8Bar
- **Thickness:** Single ply 0.07mm to 0.12mm. Double ply 0.08mm to 0.24mm
- **Bent radius:** 2D (2 times the diameter)
- **Diameter range:** 48mm to 504mm
- **Material :** Galvanized Steel
- **Fire Safety:** 100% Stainless Steel
- **Lenghts:** Custom made, up to 30meters
- **Colour:** 100% Galvanised Steel
- **Packaging:** Bubble wrapped



Air flow characteristics

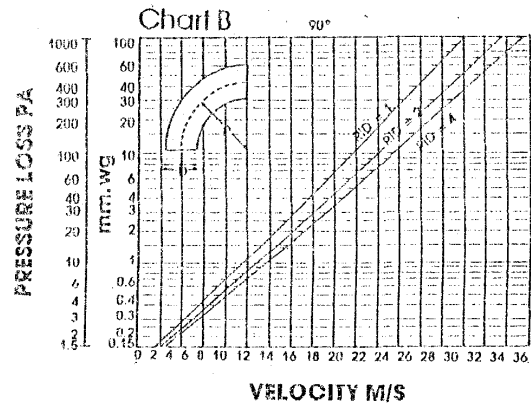
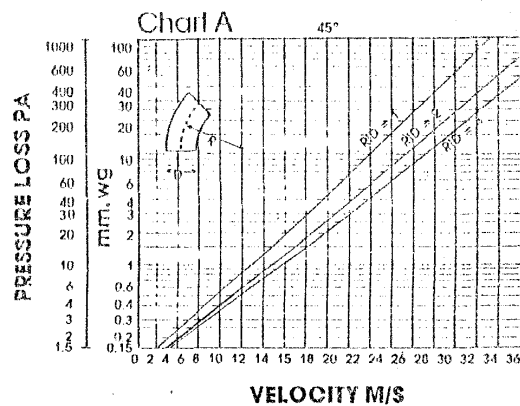
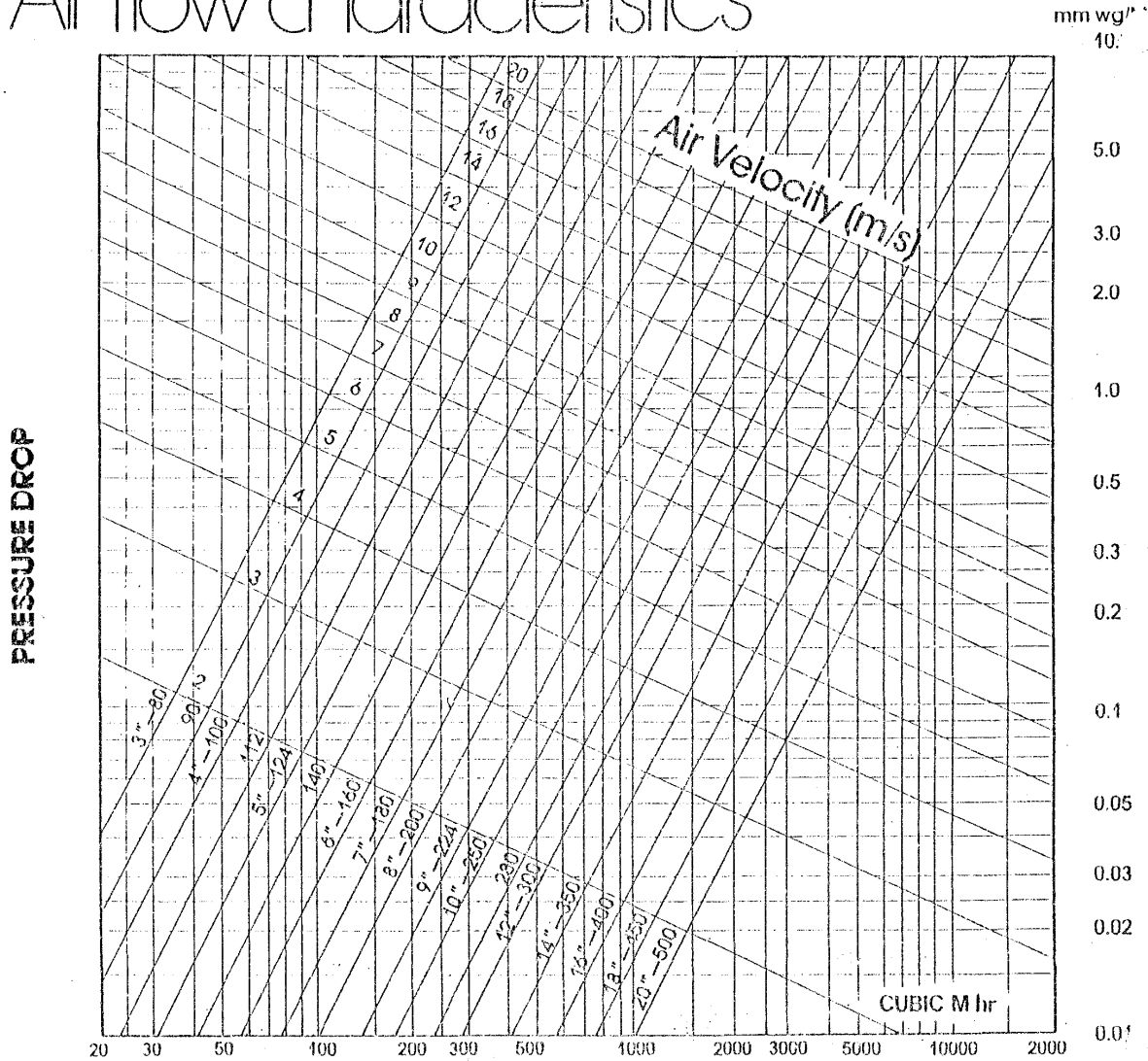


Chart B allows for the pressure loss due to the bend only for total loss add the frictional loss for the length of tube required to form the bend. (Chart A).

Air Flow — Volume (m³/h) (Air Density 1.2 Kg/m³ at a temperature of 20°C)

Temperature (°C)	-20	±0	+20	+40	+60	+80	+100	+120
Correction Factor	1,158	1,073	1,000	0,936	0,880	0,830	0,785	0,746

Pressure loss at 20°C x Correction factor = actual pressure loss.