



Ariser Air Maker CENTRAL DUCT SYSTEM

Energy Saving

Investment
in your future

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Ariser Air Maker Central Duct System

Have you ever wonder why larger pipe diameter better for Suction pressure to reduce the energy ?

You Must follow, "THE LAW OF CONTINUITY"

CONTINUITY EQUATION

$$Q = A_1 V_1 = A_2 V_2 = \text{Constant}$$

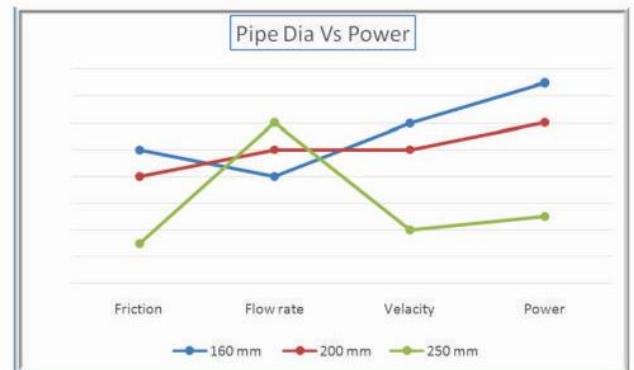
Q = Flow rate (CFM)

A = Area of the Pipe

V = Velocity of the fluid

If we reduce the radius of pipe to a point when velocity is large enough to make noise, which means loss of energy due to friction that could affect the flow rate. Thus lesser pipe diameter will increase the friction and reduce the flow rate. There by the energy consumption for constant exhaust will be high.

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ADVANTAGES OF CENTRAL DUCT SYSTEM:

- Ensures uniform suction pressure throughout the machine (only 1 to 1.50 Mb pressure difference)
- Significant energy saving when compared to other systems
- Less maintenance cost = Save money
- Using friction less pipe for smooth air flow
- All PVC parts - Import from Europe
- OEM Quality at Competitive rate.
- World class motor and inverter
- Export manufacturing facility - Un doubtful product performance
- Good payback = Less than one year
- Facilities for Easy pipe cleaning