

ENVIRO INTERNATIONAL CORPORATION

The Complete Solution for Air Pollution Control System and Ventilation System

AIR WASHER



We are leading manufacturer and exporter of Evaporative Air Cooling globally. . The products which come under this category are Evaporative Air Cooling- Single Skin and Evaporative Air Cooling- Double Skin.

We offer superior quality , Industrial Air Washer Unit that work on the principle of cooling the air by passing it over water-saturated pads, water evaporates and results in cooling of air,. The cool air is then directed into the ventilated area, . Air Washer Unit is a very energy-efficient means of cooling.

Air Washer System with cellulose paper pads, cross sectional, specially treated fluid media capable of absorbing and retaining water to provide the maximum cooling efficiencies. The cooling pad is cross-corrugated to maximize the mixing of air and water and eliminate water carryover.

Air Washer are available from 2000 m³/hr to 3,00,000 m³/hr capacity and can be supplied for various applications namely, MCC rooms, ventilation for works, tunnel ventilation, ventilation for basement, crusher house, exhaust fan system, ventilation system for complete thermal power station Etc.

We have executed a no Ventilation Systems projects .Ventilation System power plants etc has already been commissioned and running successfully. Beside these, Ventilation system has been supplied to Monnet Energy Ltd, Prakash Industries Ltd, a few more plants of 25MW to 500 MW Thermal Power Plant Projects



Application:

- MCC rooms
- Industrial works
- Tunnel ventilation
- Basements
- Crusher houses
- Exhaust fan systems
- Thermal power station

Two Stage Direct / Indirect Evaporative Cooling

Two-stage evaporative coolers do not produce humidity levels as high as that produced by traditional single-stage evaporative coolers. In the first stage of a two-stage cooler, warm air is pre-cooled indirectly without adding humidity (by passing inside a heat exchanger that is cooled by evaporation on the outside). In the direct stage, the precooled air passes through a water-soaked pad and picks up humidity as it cools. Because the air supply to the second stage evaporator is pre-cooled, less humidity is added to the air (because cooler air can't hold as much moisture as warmer air). The result, according to the manufacturer, is cool air with a relative humidity between 50 and 70 percent, depending on the climate, compared to a traditional system that produces about 80 percent relative humidity air.

An advanced two-stage evaporative cooler uses 100 percent outdoor air and a variable speed blower to circulate cool air. Two-stage evaporative coolers can reduce energy consumption by 60 to 75 percent over conventional air conditioning system

Why Our Air Washers?

- Low power consumption
- Simple structure
- Helps to clean air
- Increases humidity
- Helps to reduce temperature in summers

Low maintenance



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Product range

Air Pollution Control Equipment

Capacity range 1000m³/hr to 4,00,000 m³/hr

Pulse Jet Bag Filter, Dust Collector

Reverse Air Bag Filter

Cyclone / Cyclonic Bag Filter

Ventilation and Cooling Systems

Dry Ventilation System, cap. upto 3,00,000 m³/hr

Wet Cooling and Ventilation System

Humidification and pressurization System

Air Washers,

Dust Suppression System

Dry Fog System

Plain Water spray system

Water Sprinkling System

Dry Fog or Plain Water Spraying System are supplied for various application like Hopper, Ground Hopper, Belt Conveyor transfer points, Screen House and Screen House, Wagon tippler etc, while Sprinkling System is used for Sock Yard Area or Raw Material Storage Area.

Pneumatic Conveying System

Pneumatic Conveying System is a widely used for transporting dry bulk material either by Vacuum or by Pressure of Air. Depending on the material to be conveyed, system is designed to will carry the material to the final destination with the air stream.



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