



Ph. : 9811775557

FILT AIR

VENTILATION & CONDITIONING



AIR WASHER UNIT

PUSH PULL SYSTEM



Web. : www.filtair.in, E-mail : sales@filtair.in



AIRWASHER COOLING PLANTS :

Ventilations and Pressurised Dust Proofing systems. The range includes single bank spray system with water repellent filters, two bank spray system for humidity control, nozzle less cooling pad system for comfort cooling in Industrial Ventilation. The capacity range is 300 to 3,50,000 CMH with a saturation efficiency ranging upto 95%.



DUCTING :

Air supply ducting in all size and shapes fabricated by machine with G.I or M.S sheet in all gauges for better performance, durability and Design as per HVAC standards.





• GREEN HOUSES • LIVESTOCK • FORESTRY • POULTRY



- **INNOVATIVE NEW DESIGN**
- **EASE OF INSTALLATION**
- **NOISELESS OPERATION**
- **LOW ENERGY CONSUMPTION**
- **PROVIDES OPTIMUM GROWING CONDITIONS**
- **DESIGNED FOR HIGHER PERFORMANCE**





TECHNICAL SPECIFICATIONS FOR FILTAIR "FAN PAD" TYPE RIGID MEDIA EVAPORATIVE COOLING SYSTEMS

GENERAL

This INOVATIVE design is based on placing the Exhaust machines on one wall with the Cooling Pads on the opposite wall diagonally opposite to cool and pressurize the hall. For this design the following parameters apply

- There should be NO obstruction in the airflow path.
- The roof should be insulated if possible to have lower temperature gradient.
- The Pads and Fans should be evenly distributed on the Wall to ensure there are NO pockets.
- The room hall should be air tight so that there is NO infringement of outside unconditioned air in the space being conditioned.

EQUIPMENT USED

Fan - Filtair Slow Speed Belt Driven Axial Fan based cooling machines FVAC Series with 6 Alum Blades out of 14 Ga Alum. Mounted on dynamically balanced CAST Aluminum Hub of specified Diameter (four options available) made in India under technical association of Termotechnica Pericolli of Albenga, Italy.

Pad Section- The wet section have powder coated body panel 18 Ga GI sheet. 100 mm thick Cooling pads will be provided designed @ 2.5 m/s to give requisite adiabatic efficiency. 2mm thick FRP custom fabricated header will be provided for the water distribution using 20 mm PVC perforated piping. All wet sections will include 7 layer 20 micron Aluminum Wire mesh filters of 'specified thickness including the G.I. fabricated louvers with powder coating and mounting in S.S.-304, 20G filter frame and water tank size (1800x1800x450 mm)

The **special features** of the equipment offered are

- Very compact design and highly energy efficient
- Very compact and light weight design with the option to relocate easily if required.
- In house manufacture of all components to give us complete control on quality.
- Machines are designed for outdoor installation and are weather proof.
- Filtair have over 12 years of experience in the manufacture of RIGID MEDIA TYPE OF COOLING machines and are the pioneers for this concept.
- Centralized water tank with bleed, overflow, drain to manage the water quality and monitor the same easily.

Model	Size(mm)	Blade Diameter (mm)	Motor Speed	Revolving Speed (rpm)	Air Volume (cmh)	Input power (w)	Noise (db)	Volatage (V)
FVAC-1000-A	1000*1000*400	900	1400	610	25000	750		220/380/415
FVAC-1100-A	1100*1100*400	1000	1400	485	35000	750		220/380/415
FVAC-1380-A	1380*1380*400	1250	1400	425	44500	1100		220/380/415