

WWS HVAC PVT LTD



THE RIGHT SOLUTION
FOR RIGHT NEED

HVAC SOLUTIONS



WWS HVAC PVT LTD

We provide robust engineering experience and integrated expert solutions. We provide effective solution for air handling for Textile & other Industries, to regulate the required process for atmospheric room temperature, humidity and air treating system. In our infrastructure WWS has experienced engineers and designers with most advanced software to design the product with state of the air technology. Our scope of supply includes complete air-based system, Textile air engineering projects on turnkey basis , centralized cooling, dust collectors, bale press systems, chiller, refrigeration plant, piping, ducting, false ceiling and insulation.

We provide & deliver equipment and system design that delivers' unprecedented level of quality and craftsmanship to customers. Our solution & system , increase production efficiency and add to your bottom line profile. In this way we optimize the manufacturing environment and create cost-efficient, sustainable and complies standards.

OUR VISION

WWS is committed to consistent development. Thereby building a stable, global Institution - with the resources to deliver the products as per customer's requirements. We offer unparalleled value to create customer delight and enhance business productivity.

OUR MISSION

TRANSCENDING TECHNOLOGY TRANSCENDING INDIA.

WIDELY USE FOR FOLLOWING INDUSTRIAL APPLICATION

- TEXTILE AIR ENGINEERING.
- STEEL PLANTS.
- CEMENT PLANTS.
- WORK SHOP BUILDINGS.
- POWER PLANTS.
- AUTO MOBILES.
- FOOD INDUSTRIES.
- DRY AND WET VENTILATION SYSTEMS.

HVAC SOLUTIONS



WASTE COLLECTION SYSTEMS



CENTRIFUGAL FANS

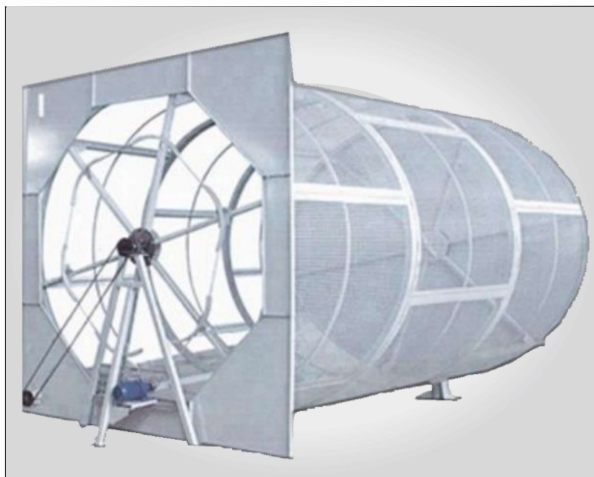
WWS HVAC PVT LTD provide you Commercial or heavy duty industrial design used in applications such as "high airflow volume, manufacturing process exhaust, emergency or continuous high temperatures, or grease exhaust". Models use highest level of construction quality for improved reliability and performance.

Models have construction options includes SISW /DIDW both backward inclined and high efficiency airfoil centrifugal wheels and feature heavy gauge, fully welded or lock seem housings. Available are a wide range of protective coatings and different construction materials.

Such fans are available for high static pressure up to 300mm WG & capacity up to 150000 CMH of air capacity.

PRIMARY FILTER

Primary filter is used for coarse filtration. The primary air stream carrying fibers and coarse particles passes through a rotating filter, with a mesh size matching the particles. The filter media is continually cleaned by a means of a fixed stripper nozzle. The wide variety mesh screen is selected based on the quality of material being processed.



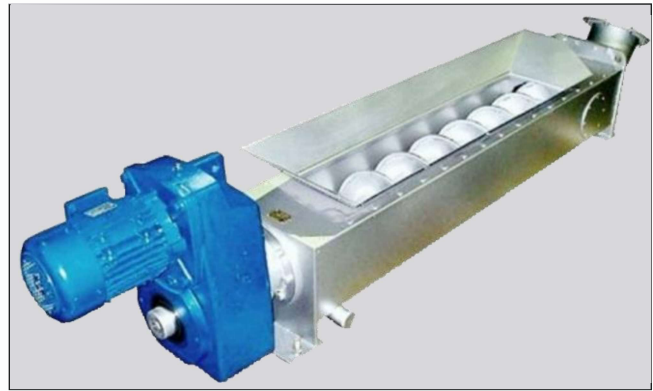
SECONDARY DRUM FILTER

Secondary drum filter is for fine filtration of dust from large volume of air. Self-cleaning type rotating drum filter shall have high efficiency, easily cleanable filter media. The media shall be suitable for removing fluff/lint and dust from waste air /return air of the respective department. The pressure drop across the medium shall be as low as possible. The filter media shall be selected for the respective department and shall be strapped with the drum enabling quick and easy removal for cleaning/replacement. The traveling nozzles shall clean the filter media effectively and uniformly. the filter shall be complete with perforated drum (with large free area), rotating mechanism, radial suction fan, drive & suction motors, connecting duct/hose, collection bags having facility for easy disposal of collected waste, in the secondary circuit to a separator.

WASTE COLLECTION SYSTEMS

CYCLONE COMPACTOR

The Compacting Power Screw is used as a discharge unit for dust and fibers in combination with separators such as cyclones, dust separators, jet filters, hose filter systems and fine filter systems. It allows the removal of fine dust and material from short fibers without letting those substances contaminate the surrounding area.



TRANSPORT FANS

For transport of waste / fiber or dust laden air depending on application, the fiber/ air transport fans are located between pre filters and compactor / or before / after the waste recovery equipment. These fans are single inlet type suitable for wall or foot mounting depending on sizes. So also the drive arrangement shall be direct or belt depending on the application.

DUST COLLECTOR

Dust collector is designed specifically for high dust loads, high temperature and product recovery applications. It has a mechanical separator that works on the principle of centrifugal force to remove large and high-volume dust. Centrifugal force to remove large and high-volume dust for industrial applications. Cyclone Dust Collectors are an economical solution to a wide range of dust collection problems.



WASTE COLLECTION SYSTEMS

COMPACTOR

Combination of separator and compactor helps continuously separate coarse particles without generating dust and removes fibers. Solid waste is extracted directly from the production process and separated from the airstream which is collected in bags or containers. The separated material is compacted by a screw and discharged through the outlet spring plate. The screw is driven by a special helical gear motor. Compaction takes place through the discharge material itself.



INTERMITTENT WASTE COLLECTION EQUIPMENT



FLASH VALVE



CONTROL PANEL FOR INTERMITTENT SYSTEM



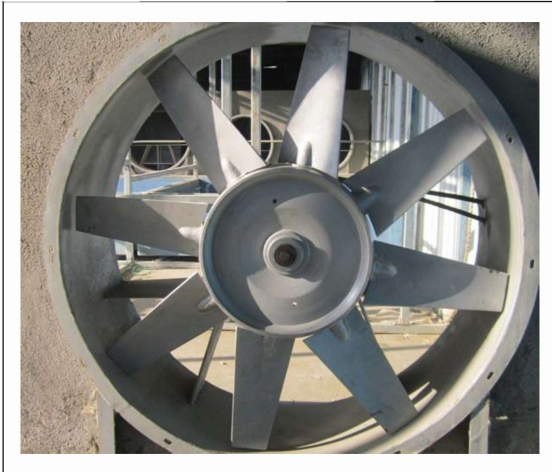
HUMIDIFICATION SYSTEMS

Production of top quality materials at higher speeds with less down time is now possible with proper humidification control. It helps introduces and maintain optimum moisture levels in textiles to increase tensile strength of natural fibres and reduce waste. Controlled and consistent humidity will reduce the presence of dust/pollutant suspension and allow you to increase the overall production speed of the operating equipment. Our Energy efficient humidifiers can regain moisture lost in the fibre due to dry air and increase your production in all textile applications. the humidification system is an efficient and cost-effective alternative to traditional methods of humidifiers.

HUMIDIFICATION SYSTEMS

SECONDARY DRUM FILTER

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AXIAL FANS

Axial fan is preferred for up to 70 mm sp. volume and low pressure. Direct Driven Axial flow fans are suitable for duct systems. These can be installed economically and designed for maximum efficiency against high static pressure. Axial fan with adjustable blades. Such fans are available for static pressure up to 70 mm WG & capacity up to 150000 CMH of air capacity.

AIR TIGHT DOOR

We offer single skin & double skin Air Tight Doors. The prime advantage of these air tight doors is that these are user friendly. Door, frame & seal selection will depend on required pressure and location.



HUMIDIFICATION SYSTEMS

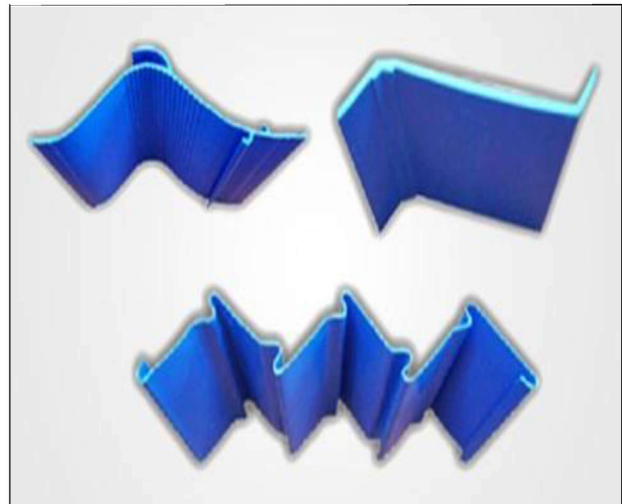
DAMPER

We manufacture low leakage aluminum Aero-foiled opposed blade dampers. The whole body construction is made up of GI material. The flow can be controlled with the help of set screw or actuator provided on the damper handle to regulate the desired air flow. The damper operates with bearing mechanism.



ELIMINATORS & LOUVERS

Our eliminators are broadly applauded for their quality and reliable operation. Eliminators are used in applications where the purpose is to increase humidity in supply air, to reduce air temperature, to remove dust and heavy water partial from air supply or a mixture of two or more of these factors. Louvers are based on uniform distribution of supply air, and to resist dust particles. The eliminators shall be of PVC material. The eliminator fixtures shall also be extruded from PVC material with heavy gauge insert and fixing accessories



WATER SPRAY NOZZLE

Sprays nozzle are appreciated for their elegant design, corrosion resistance and low maintenance. We lay prime emphasis on the packaging of these sprays in order to ensure safe and secure delivery at clients' end. High saturation air washers consist of S.S. foggy nozzles operating at high pressures. The foggy nozzles require only lesser pump capacity in comparison of conventional air washer.

HUMIDIFICATION SYSTEMS



DIFFUSER /GRILL

DiFFuser /Grill are the products as per specific requirements of clients *Negligible resistance to air flow. *Less dirt accumulation. *Material of construction: Aluminum /mild steel / stainless steel.*Powder coated, anodized, emulsion painted, primer coated.

LOOM OUT LET

Supply air looms out let shall be installed over the machines for direct air supply over the warp sheet, shall be in GI/S.S construction. looms out let shall be supplied with volume control dampers & perforated sheet and filter media based on process requirement .



BAFFLE PLATE

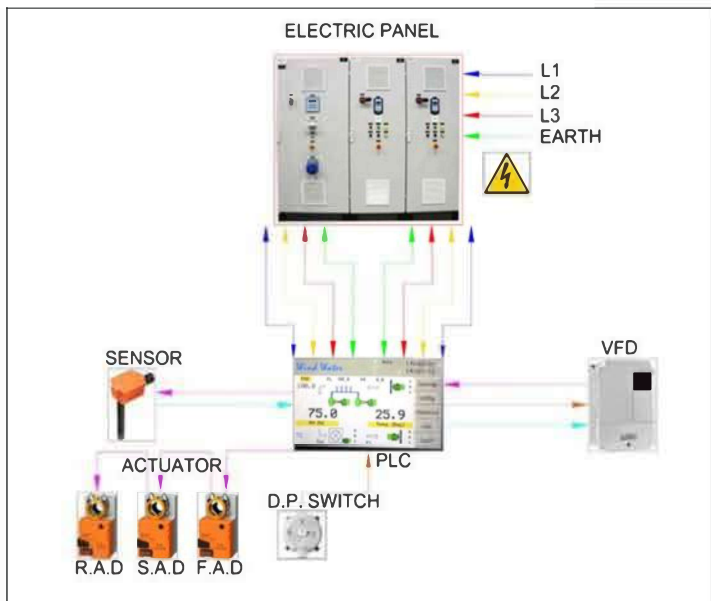
It is a modernized technique which is used for uniform air distribution system. Mostly used in textiles plant.

- Low maintenance required.
- Air turbulence not performed.
- Uniform distribution of air.
- Help to increase product quality.

HUMIDIFICATION SYSTEMS

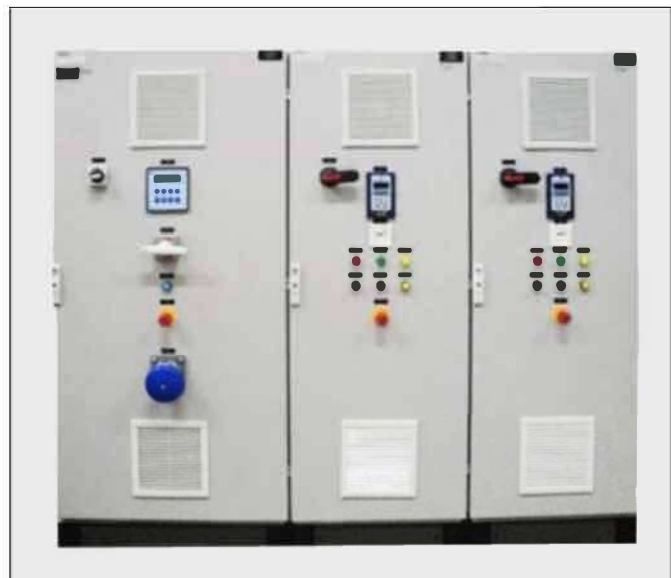
CONVENTIONAL WASHER

We offer Industrial Air Washer Unit of superior quality that works on the principle of evaporate cooling. Air Washer System with clamp on nozzles with S.S. clamps, typical nozzle design requires less pump capacity. Complete air washer piping is made of anti-scaling APVC material which is capable to spray water which change dry air to moist air. This is the most applicable systems in the textile industries.



PROCESS AUTOMATION SYSTEMS

The Auto control system shall be Wind Water make and shall be electronically controlled having a digital display unit which is able to control multiple humidification systems with the assistance of computer networking and graphical software. The system shall control the damper, pump, rotary air filter as well as the fan operations automatically.

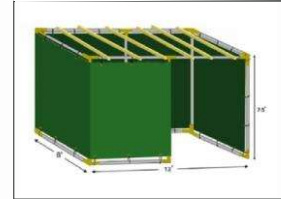


PRE FABRICATION PLANT

PREFABRICATED STRUCTURE

Prefabrication structure is related to modular building systems, with well planned & designed for initiation of construction and placement of structure as per detailed design at work site.. Prefab structure is made of steel or ms Square pipes. These are specifically designed for longer durable period of applications or usage.

- Construction time is reduced and buildings are completed sooner, allowing an earlier return of the capital invested.
- On-site construction and congestion of site is minimized.
- Less wastage of construction material.



PP WATER TANK

The material used for manufacturing the PP storage tanks is Polypropylene which is a light, durable thermoplastic that is denser, stiffer and stronger than polyethylenes which have a high melting point.

- No corrosion
- Readily accessible and moderately inexpensive
- Having high flexural strength due to its semi-crystalline nature
- Very resistant to absorbing moisture
- Has good impact strength
- A good electrical insulator
- Environmentally friendly

PUFF PANEL

PuFf panels are packed with high density foam to ensure perfect insulation. We offer world-class panels with standard accessories making sure that the complete system is air-tight, hygienic, highly energy-efficient and built for lifetime use. Our offered panels have excellent thermal- acoustic resistance and has been designed to cater to all cooling requirements. It is finished in seamless manner and is customized according to the choice of our clients.

- Density of PU Foam 40 ± 2 Kg / Cu. Mtr.
- Tensile Strength of PU 4 Kg / Sq. Cm
- Compressive Strength 2.1 Kg / Sq. Cm (10% Deformation)
- Thermal Conductivity at 10 Deg C 0.02 W/ M. Deg K
- Temperature Range -80 Deg C to + 100 Deg C
- Width customized up to 1180mm Max
- Length As per customer requirement
- Finish Plain/ Ribbed
- Thickness Range 30 mm, 40 mm, 50 mm, 60 mm, 75 mm, 100 mm, 150mm & 200 mm
- GI Pre-Painted Sheet, S.S. Sheet (Grade 304/316 & Surface Finish 2B & Mate), GI Plain Sheet, Plain Galvanize Iron.

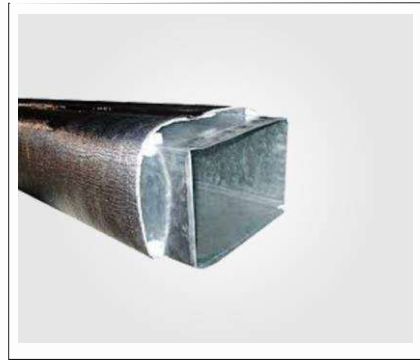


DUCTING INSULATION & FALSECEILING

SQAURE DUCT

We are manufacturer of duct and supply insulation. We are providing flexible solution for air distribution systems. Our tailor-made jobs help to give you better flexibility and solution to smaller places for ducting work.

Insulating duct helps the air with in stay at the desired temperature. It also prevents the ducts from leaking air. Duct which leak air can result in greater energy consumption and expensive utility bills. Effective thermal insulation of the duct work reduces this heat loss to minimize energy usage. The most used for heating and cooling ducts insulations are various types. Duct insulation is available in various thicknesses. There is flexible duct wrap as well as rigid insulation board. The type of insulation that is used depends on the size and shape of duct on the application.



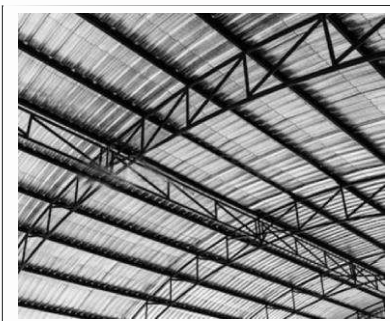
CIRCULAR DUCT & FITTINGS

All ductwork are made of galvanised steel, Stainless steel or Aluminum material. Various gauges are available for technical suitability. Ducts and fittingd are available in different size / lengths as per requirement.

FALSE CEILING

A typical suspended or false ceiling grid-work is made up from a combination of metal interlocking sections connected together to form the openings for ceiling tiles. The metal channels are formed in the shape of upside down "T" which is usually finished with white paint to match the ceiling tiles inside, The T bars are supported around around the perimeter by "L" shaped metal section, referred to as edge trim.

Due to the design felxibility of this suspended ceiling system suitable for most internal fry lining applications. The fully conceytd grid can be used in conjunction with plaster-boards. Rigitone or Gyptone boards to create a seamless, monolithic appearance.



UNDER ROOF INSULATION

insulated roof protects like bubble, fibre glass or rock wool against hot weather conditions, this insulation material can be sprayed on the exterior surface of the ceiling or the underside of the roof or in attic spaces. This work can be performed on any roofing type including tiled, tin or colorbond. With a premium product which is environmentally friendly, offers climate control and a reduction in your power bills. Ceiling and roof insulation can aid in preventing the loss of your heating and cooling, and keep your zone at more comfortable temperature all year round.



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