



**CREATIVE AIRCON**

*Create an Air Quality*

**LEADERSHIP THROUGH  
INNOVATION**



**HVAC TURNKEY SOLUTIONS  
MANUFACTURING  
SERVICES**

[www.creativeaircon.com](http://www.creativeaircon.com)



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CREATIVE AIRCON a professionally managed manufacturing company diversified to serve the various industries, was established in 2006. We are undertaking manufacturing and supply. We had been completed so many Projects at our customer's time limit and their entire satisfaction.

#### **OUR MANUFACTURING FACILITY**

We have our own most modern well equipped in house facilities like:

- 1) Latest Hydraulic Shearing Machine.
- 2) Hydraulic Press Break.
- 3) Puff Insulating Machine.
- 4) Powder Coating Plant etc.
- 5) All other machineries/tools required for the fabrication, assembly and testing work.

## **COMPANY INTRODUCTION**

### **OUR SHOP FLOOR TEAM**

We have a team of qualified young, energetic and experienced engineers to look after the day-to-day planning and production. We are manufacturing all of our products with our strict quality control system which results in all products of high quality and precision.

### **OUR EXPERTISE AREAS /SUPPLY RANGE**

- 1) Air Conditioning/Air Cooling Plant (Double Skin & Single Skin).
- 2) Humidification (Spray Type and Cell Deck Pad Type) Plant.
- 3) Dry Ventilation / Wet Ventilation Systems.
- 4) Tube Axial Flow Fan (Fresh Air & Exhaust Air Systems).
- 5) Fan Coil Units / Ductable Ceiling Mounted Unit.
- 6) Cooling / Heating Coils.
- 7) Centrifugal Fans (SISW / DIDW Backward Curved Centrifugal).
- 8) HEPA Boxes and Alum./SS Perforated Sheets, Raisers etc.
- 9) Spare Parts for AHU/Humidification Plants such as PVC Eliminators, PVC Louvers, PVC & Brass Nozzles, G.I./Alum. Dampers, Alum. Grills & VCD, Filters (20, 15, 10, 5 and 3 Micron) Air-tight Doors, Evaporative Cooling Pad Etc.

We are keen to build a long lasting business relationship with your esteemed organization. In this context, we request you to enroll our name in your approved supplier's list and arrange to send all of your regular future enquiries related to us to enable us to submit our most competitive offer. We look forward to hear from you at an early date.

We value your relationship with us and assuring you of our best services at all times.

**TECHNOLOGY**  
CHANGES **FUTURE**





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## DOUBLE SKIN AIR HANDLING UNIT



### CAPACITY RANGE

600 CFM to 40,000 CFM

### APPLICATIONS

Comfort air conditioning - for schools, studio, airports, laboratories, multiplexes, offices, institutional, buildings and hotels.

### OPTIONS AVAILABLE

- Weather-proof light, limit switch, view glass.
- Filter sections for EU-5, EU-7 in rigid/bag construction.
- Humidification, pre/re heat pipe.
- Mixing box with fresh/return air dampers.
- Single/double tier construction.

### CONSTRUCTION

- Unit is manufactured in heavy duty extruded aluminum profile with and without thermal break and internal coving section.
- Unit panels are filled with 25 or 50 mm thick pressure injected polyurethane foam, having 38/40 kg/m<sup>3</sup> density.

- Various options such as pre-coated galvanized sheets, plain galvanized sheets, aluminum & SS 304 & SS 316 sheets in various thicknesses are available for inner and outer skin of double skin panels.
- High efficiency, AMCA certified, imported DWDI & plug type blowers are used.
- Forward curved blowers for normal applications and backward curved for high resistance applications.
- Drain pan mode of SS 304 with dual slope to facilitate immediate discharge of condensate.
- Base frame is a mode of galvanized steel with die cast aluminum joints having lifting holes.
- Access doors are provided with hinges and locks made of die casting or self extinguishing nylon for perfect air lightness.

### FEATURES

The unit is manufactured in accordance with client requirements.



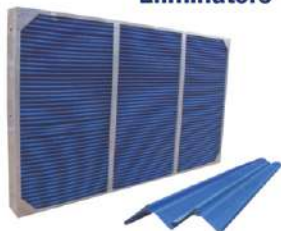
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## AIR WASHER UNIT



### Eliminators



### Spray System



### Celdeck Pad



### CAPACITY RANGE

1000 CFM to 1,00,000 CFM

### APPLICATIONS

Air-cooling units used in poy, textile, fume exhaust systems, control room ventilation and pressurization systems.

### OPTIONS AVAILABLE

#### Cellulose Celdek Pad

These are specially treated criss cross paper fills having a flute angle for 450C. The paper is specially processed with anti-bacterial and anti-fungal treatment. This enhances life of the pad to almost 4-5 years of trouble free operation. The pump can be located inside or outside the unit.

### SPRAY TYPE

This type houses a set of spray nozzles which injects the water into the air stream in the foam of a fine atomized mist (by breaking the water into the fine particles we increase the surface area by multiple folds for the same volume of water). In this system, the water is in direct contact with the airflow unlike the cellulose type system. When a single bank is provided (depending upon the efficiency required) the spray is injected in the opposite direction of the airflow. In a double bank system, the banks are kept opposite to each other. The entire plumbing is done with the help of galvanized pipe. The pump can be located inside or outside the unit.





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## VENTILATION UNIT

### CAPACITY RANGE

600 CFM to 40,000 CFM

### APPLICATIONS

Shopping malls, Hotels, Hospitals, Pharmaceutical, Industries and Industrial Units.

### FEATURES

- Available in single/double skin construction
- Belt driven
- Forward/backward curve fan

## CEILING SUSPENDED UNIT



### CAPACITY RANGE

600 CFM to 8000 CFM

### APPLICATIONS

Shopping malls, Multiplexes and small offices.

### FEATURES

- Compact and low height with single/multicentrifugal fan
- Direct driven belt options
- Units available in double/single skin
- Double skin units available with aluminium profile
- Direct driven units with single-phase motors



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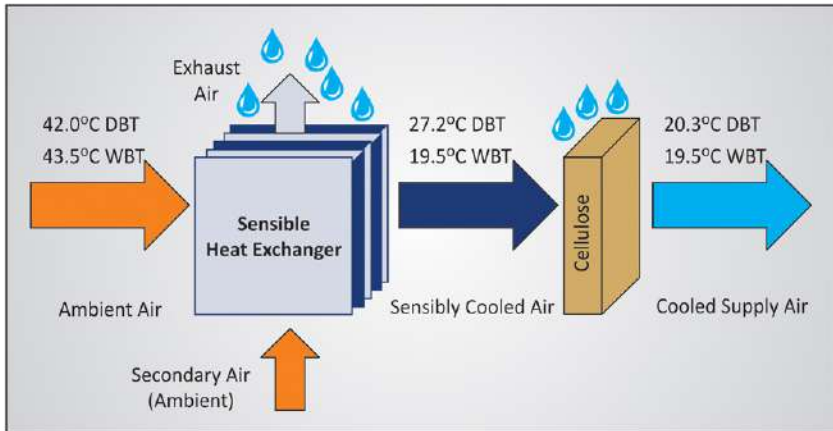
## INDIRECT & DIRECT EVAPORATIVE COOLING UNIT



Indirect & Direct Evaporative Cooling Within Single Unit to achieve a desired temperature condition inside room condition, using 100 % fresh air without using any refrigerant media.

Indirect cooling stage where ambient air travels through cross flow media air to air cross flow heat exchanger where sensible heat removal from air and air moves towards second stage cooling without adding any moisture.

Direct cooling stage where air passes through cooling media in which reduces DB temperature from air with help of Spray System to remove heat load from the system & achieve to reduce further temperature condition.



### Features

- Heat exchanger with 65% efficiency.
- Energy Efficient - Power & Cost both saving compare to other HVAC System.
- Provide cooling condition with conventional evaporative cooling.
- Fast heat recovery without any cross contamination.
- Low water consumption.
- Low temperature can be maintained inside the room.



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## COOLING COIL

CWC/DX/Condensor/Heating/steam



### APPLICATION FOR CHILLED WATER COIL

In case of using a water cooler installation (chiller)

### APPLICATION FOR DIRECT EXPANSION COIL (DX)

In case of using generator with direct expansion of the cooling medium.

### APPLICATION FOR HOT WATER COIL

Used in the event of access to water heating installation (local boiler or district heating file) heating the supply air to the room.

### CONSTRUCTION

- No. of rows : 2-10
- Copper tubes with aluminium fins
- Fins spacing between 4-12 fpi
- Diameter of tubes in file exchanger - 3/8", 1/2", & 5/8", OD
- Thickness of fins 0.1-1.4 mm
- Thickness of tube 0.4-0.65 mm
- Headers -copper/galvanize steel/SS
- Casting frame work SS/GI



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## CENTRIFUGAL FANS



### **Creative - F TYPE**

Double inlet, double width (DWDI) impellers having forward curve blades for low pressure application.

### **CAPACITY RANGE**

600 CFM to 40,000 CFM

### **STATIC PRESSURE**

10 mm to 65 mm WG



### **Creative - B TYPE**

SISW/DWDI impellers having backward inclined blades both in flat and profile with non-over loading characteristics.

### **CAPACITY RANGE**

600 CFM to 2,50,000 CFM

### **STATIC PRESSURE**

10 mm to 200 mm

## AXIAL FLOW FAN

### **CONSTRUCTION**

- Direct Driven Type.
- Size 315 to 1600 mm Diameter.
- Air Performance upto 216,000 CMH.
- Static Pressure upto 90 mm Wg.
- Adjustable / Controllable Pitch impeller.
- Industrial Ventilation.







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### PLUG FANS



Creative is proud to have introduced a new generation of plug fan technology in India. Plug fans are the perfect choice for the air handling units for most critical applications. It has several special features over traditionally used DIDW fans such as.

#### CONSTRUCTION

- Compact size, quiet in operation, lesser in weight.
- No belt drive package required means no maintenance, more reliability and no contamination generated from belt shredding.
- Low power consumption.
- Choice of multiple outlets.
- Fan motor can be kept out air circuit.

### PH BLOWER

#### CONSTRUCTION

- High pressure & high temperature application in heavy duty construction MS/SS.
- Static pressure : up to 4000 Pa
- Temperature : up to 350°C





1 Unit = 1 Hour



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## INDUSTRIAL AIR COOLER



### TECHNICAL SPECIFICATION

Model	CA-180	CA-300
Application Area (SFT)	1200~1500	2000~2500
Air Flow (CMH)	18000	32000
Pressure (Pa)	180	180
Power Input	1.1 KW-1 Phase	3.0 KW-3 Phase
Fan Type	Axial	Axial
Celdeck Pad	100 mm Thick	100 mm Thick
Noise (db)	Less Than 75	Less Than 75
Dimension (L x W x H) mm	1100 x 1100 x 950	1200 x 1200 x 1250
Discharge	Top/Bottom	Top/Bottom
Water Storage Capacity (LTR)	40	40



1 Unit = 2 Hour

## TENT COOLER

### TECHNICAL SPECIFICATION

Model	Movecool-CA18
Application Area (SFT)	1000~1200
Air Flow (CMH)	18000
Pressure (Pa)	180
Power Input (KW)	0.5 KW / 220 V-1 Ph
Fan Type	Axial
Celdeck Pad	100 mm Thick
Noise (db)	Less Than 75
Dimension (L x W x H) mm	1120 x 700 x 1530
Control Type	Remote Control Type
Water Storage Capacity (LTR)	70

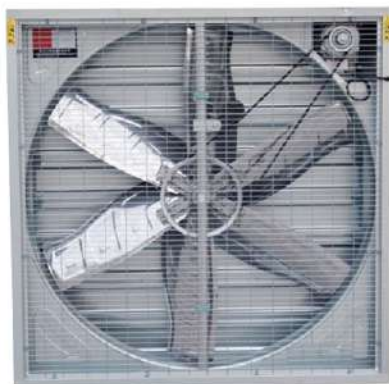




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## INDUSTRIAL EXHAUST FAN



### CONSTRUCTION

- Casing highly coated galvanized sheet.
- SS 304 stainless steel impeller blade.

### TECHNICAL SPECIFICATION

Model	Type of Drive	Blade Dia.	Air Flow	Pressure	Fan Speed	Power	Motor Speed	Power Supply	Noise Level	Overall Dimensions
		MM	CMH	PA	RPM	W	RPM	(V)	DB	MM
CAF-400	Direct	400	4300	55	1400	180	1400	380	<55	400 x 400 x 300
CAF-480	Direct	480	5000	55	1400	180	1400	380	<55	480 x 480 x 300
CAF-800	V-Belt	710	18000	75	612	370	1400	380	<70	800 x 800 x 400
CAF-1000	V-Belt	900	28000	70	513	750	1400	380	<70	1000 x 1000 x 400
CAF-1220	V-Belt	1100	36000	73	427	1100	1400	380	<70	1220 x 1220 x 400
CAF-1380	V-Belt	1250	44000	56	440	1100	1400	380	<70	1380 x 1380 x 400

### APPLICATION

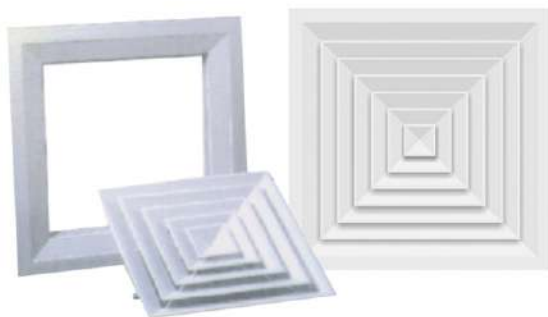




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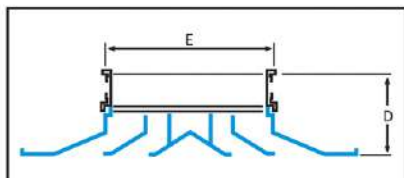
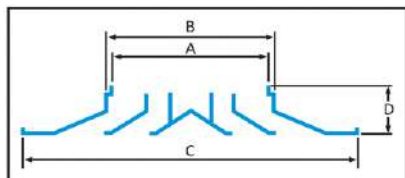
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## SQUARE CEILING DIFFUSERS (With Removable Cores)



These are used for air supply in multiple layers which help to speed up induction of secondary room air thus assuring draft-free comfort in occupied spaces. Four-way square diffusers give equal supply in all directions while three, two and one diffusers limit the supply in the required direction. Removable core simplifies installation and avoids visible mounting screws.

- Extruded aluminium construction.
- Removable cores.
- 1, 2, 3 and 4 way discharge.
- With & without VCD.



Std. Size mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
150 x 150	135	150	295	42	140	83
225 x 225	210	225	370	42	215	83
300 x 300	285	300	445	42	290	83
375 x 375	360	375	520	42	365	83
450 x 450	435	450	595	42	440	83



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### LINEAR GRILLES



Contemporary interiors in large offices, public areas of hotels and hospitals call for uncluttered looking walls and false ceilings with linear grilles used for supply and return air. They are available in any length in sections of 1.2 or 1.8 meters with perfect alignment between sections. Removable louvers facilitate installation. Adjustable louvers installed in collars are recommended for vertical air pattern control.

- Aluminium construction.
- 0°, 15° or 30° deflection.
- With & without VCD.

### ALUMINIUM DOUBLE DEFLECTION GRILL



Most desirable to supply air in inside-wall locations. With aerofoil shape louvers in both horizontal and vertical directions, minor air motion problems can be quickly corrected by adjusting the vanes. An opposed blade damper installed behind the grille is used for adjusting air volumes during air balancing. Horizontal louvers in front and vertical at the back or vice versa are available.

- Aluminium & CRCA construction.
- Individually adjustable blades.
- With & without VCD.

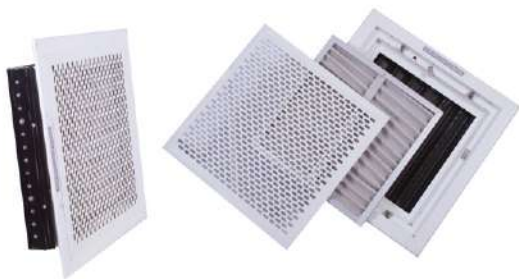




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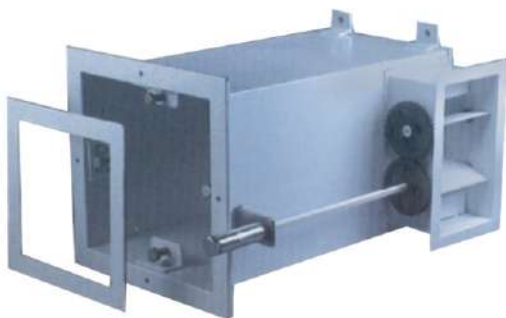
## COMBINATION GRILLE WITH FILTER FRAME



Removable core with air filter fixing frame simplifies regular cleaning of filter as well as access to fan coil unit for maintenance also be used for duct risers.

- Aluminum construction.
- Removable core.
- Combination Grilles available in aluminium & SS sheet.
- Filter provided.
- With & without VCD.

## HEPA TERMINAL BOX



### CONSTRUCTION

- Creative terminal box is fabricated with high quality stainless steel and CRCA steel up to 16 gauges with powder coated/buffing finish.
- Creative terminal box is fabricated with aluminum & SS perforated sheet.

### APPLICATIONS

Creative terminal boxes enhance the overall appearance of the clean rooms.

### FEATURES

Terminal boxes are manufactured as per customer requirement.



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### CONSTRUCTION

- Creative riser is made up of stainless steel, galvanized, aluminum, power coated steel and double skin.
- Creative riser come with aluminum and SS perforated sheet along with filters and dampers.

### APPLICATIONS

Creative riser enhances the overall appearance of the clean rooms.

### FEATURES

The riser can be manufactured as per the customer requirement.

### RISER



## VOLUME CONTROL DAMPERS



### CONSTRUCTION

- GI opposed blade/aluminium extruded damper.
- Brass bushing/gear operated. Parallel blade.
- GI face and bypass damper.
- Fire damper with SS spring and copper fusible UNK (melting threshold 100 12000).
- Actuator damper.

## SS PERFORATED SHEET



### PRODUCT SPECIFICATION

Material : SS / Aluminium  
Type : Perforated Grill  
Condition : New Product

### CONSTRUCTION

The SSPERF-S Stainless Steel Perforated Face Ceiling Diffuser with louvered deflectors is an economical solution of providing positive air flow without limiting volume. The 3/16" round perforations on 1/4" staggered centers allow for 51% free area.



## OUR PRODUCT APPLICATIONS

1. Textile Industries/Process House
2. Automobile Industries
3. Chemical Industries
4. Shopping Malls
5. Food Processing Industries
6. Electronic Industries
7. Hotels/Restaurants
8. Clean Room for Pharmaceuticals/  
Laboratories
9. Hospital
10. Power Plant
11. Poultry Farm



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📍 **Works :** Plot No. 30/42, Vibrant Mega Industrial Park,  
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