

Supremo[®]

Innovative • Economical • Efficient

Automatic Evaporative Coolers

Air



www.supremo.in

From the Desk of Managing Director

Welcome and thank you for showing your interest and faith in this journey of ours and help us making Supremo, a trusted and reputed brand.

Our Company purpose, to offer innovative products and client centric services backed up by strong infrastructure and dedicated team has led us making 'Supremo' as an emerging brand. This purpose has been evident since the establishment of our corporation when we set out to build a premium brand with an eye on innovation.

The values we share are embodied in what goes on at Supremo from day to day. Team members must exhibit ethical and honest behavior, and Supremo must offer fair, equal conduct in a safe, healthy workplace. We believe that in such an environment, sound decision making and effective strategies flow naturally from the give-and-take of daily business engagements among all team members.

At Supremo, we focus on:

- Innovation – it is the driving force behind our long term growth.
- Quality – exceptional quality delights our customers and is essential to customer growth and retention.
- Service – at Supremo, service is not simply a concept. It's how we develop and maintain customer loyalty.
- Continuous Improvement - Our commitment is to prepare and to do our best. We consistently apply value engineering to lower the cost of products, to streamline processes, and to improve efficiencies.

I am continually impressed by the resourcefulness and entrepreneurial quality displayed by our new generation team and the exceptional value they bring to the company. This allows us to deliver added product value and outstanding customer service to clients who can count on us to carry out our promises. Our key persons regularly assess and review our clients' needs, the products we offer, and the effectiveness of the services we provide.

Our young and enthusiastic team is committed to maximizing client satisfaction through innovative and value added project delivery. We take pride in selecting the right technology and process to meet the demanding and ever changing needs of our clients. Our leadership in this industry is directly attributable to our talented staff's dedicated attention to our clients' needs and executing effective solutions to achieve success. Thus our motto and passion will remain 'Innovation is the key' and this passion remains the lifeblood of our company and continues to translate into tremendous success. Looking to the future, and our next stage of growth.

On behalf of Supremo, I invite you to explore our technological advanced new product range of Supremo Air and learn more about its unique features and offerings.

I am sure you will see why we love what we do.

Sincerely,

Rajeev Agrawal





Lower Energy Usage



Safe & Secure



Affordable



Assured for Quality



Heavy Duty & Sturdy



Eco Friendly



Cools Atmosphere



Excellent Air Flow



Increased Oxygen Flow



Silent Working



Auto Drain



Maintenance Free

Why Supremo Air?

Supremo Air evaporative cooling is a proven high performer evaporative coolers in India. It is ideal for use in home, office, warehouse, shop and factory. It is a value for money product and offers multiple benefits to the user.

USP's

- Excellent Natural Air Cooling
- Supply Cool, Clean, Dust Free and Filtered Air
- Improve Oxygen Level
- Energy Efficient
- Affordable and Cost Effective
- Aesthetical and Ergonomically Design to match Interiors
- Consumes very less space
- Temperature Display with Variable Speed Control
- Ideal For Industrial and Domestic Usages
- Noise Free Silent Cooling Operation
- Trouble Free Service
- Auto Drain Washing System
- High Return on Investment
- Quick Installation and Maintenance Free
- Lower Downs the Carbon footprints
- Safe and Environmentally Green
- Tested for Safety



Why Supremo Air is better than Conventional AC



Supremo Air

- Temperature depends upon ambient conditions.
- As ambient temperature rises, energy consumption remains constant and efficiency increases.
- Needs to operate with ventilation or open environment.
- Operates with 100% fresh air, no recirculation.
- Slightly increases humidity level in the working environment.
- Some filtration of air.
- Removes dust, minerals and bacteria from the air stream.
- Do not dry eyes, noses, throat and skin.
- Do not use any gas for cooling.



Conventional Air Conditioner

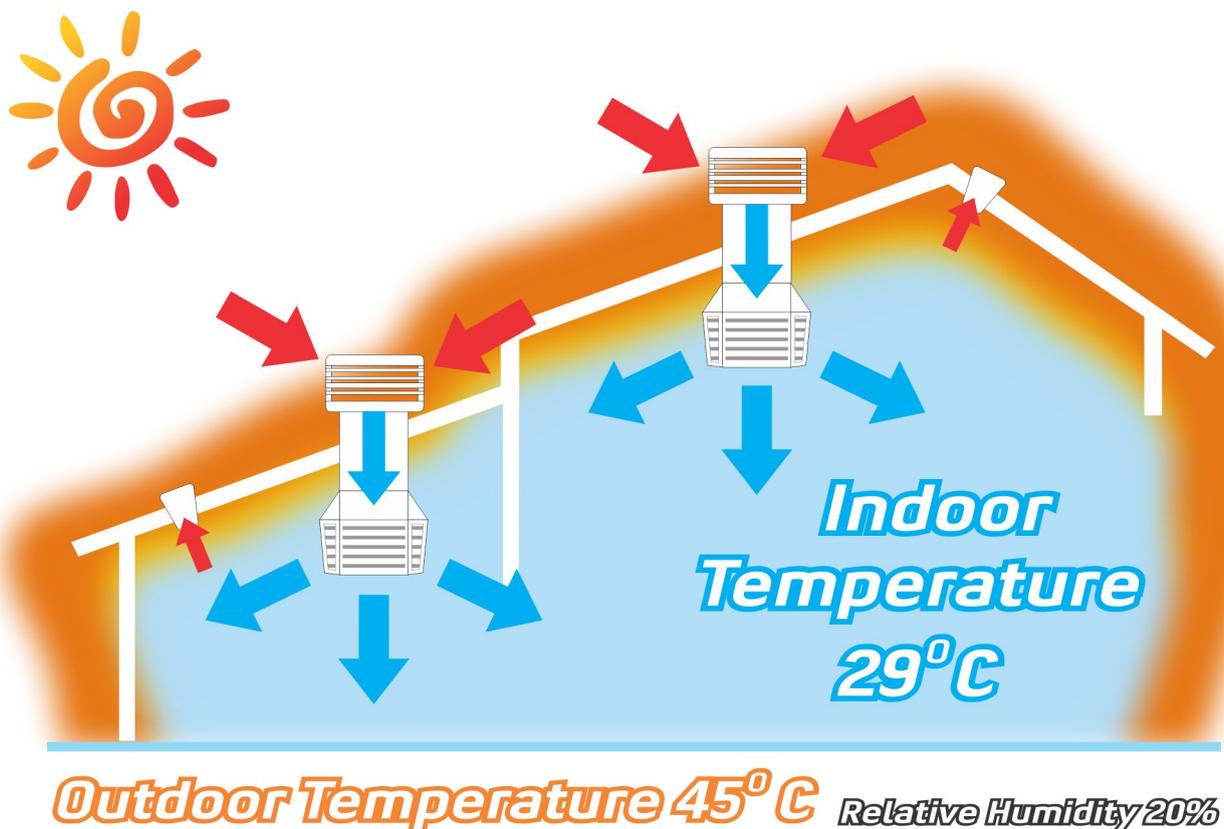
- As ambient temperature rises, energy consumption increases and efficiency decreases.
- Can only operate well in a closed environment.
- Reticulates approximately 90% internal air.
- Dehydrates the atmosphere within the working environment.
- Does not filter any air, leaves dust, minerals and bacterial in the air stream.
- Uses non ozone friendly freon gas for cooling.

Automatic Evaporative Coolers

Supremo Air is ideal for use in commercial offices, industrial work places and homes. It drastically reduces the temperature by 10° to 15° C from outside. Even if outdoor temperature is 45° C and relative humidity is 20%, the inside temperature can be maintained to 29° C.

Supremo Air Coolers works on technique of lowering down the room temperature by water evaporation & heat absorption technique through advanced cooling pads. With its innovative simple design and functioning it drastically reduces the cost and offers approximately 90% low energy consumption than conventional cooling methods and instruments.

It is an ideal and proven product that has replaced the refrigeration gas based Air Conditioners 'AC'.



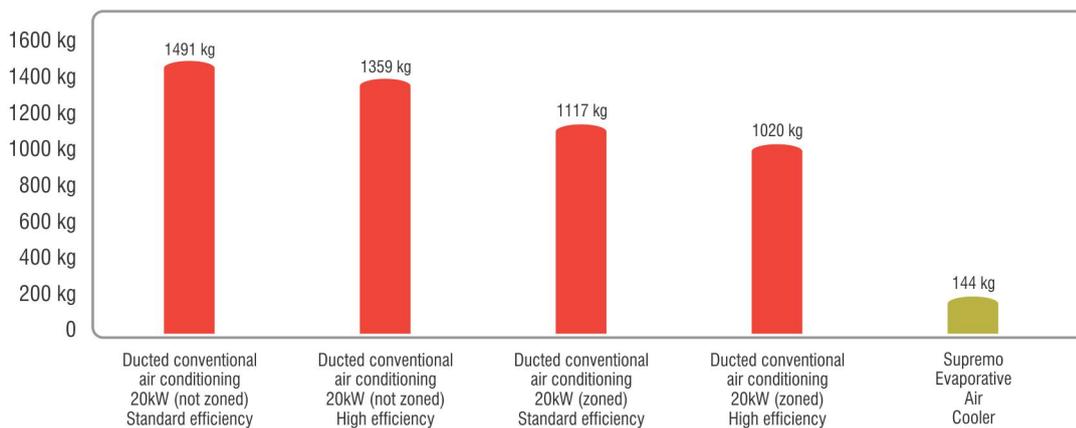
In extremely dry climates, evaporative cooling of air has added benefit of conditioning the air with more moisture for more comfort. In arid climates, evaporative cooling can reduce energy consumption and total equipment for conditioning as an alternative to compressor-based cooling.



How much water will your Supremo Air use?

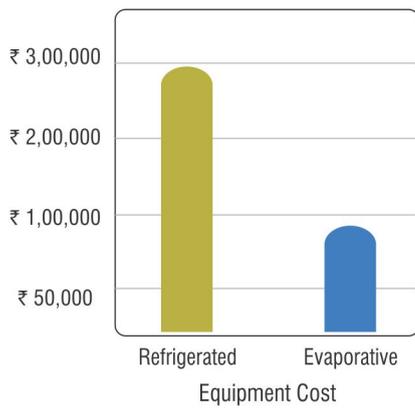
| Litres/year | Household use |
|-------------|---|
| 1.5% | Supremo Air Evaporative Air Cooler 80 L per day (on 90 days working/year) |
| 1.6% | Washing dishes 1x21 L capacity per day |
| 4.6% | Washing Machine (front loader) 60 L per cycle - 1 wash per day |
| 6.2% | Bath (1/2 full) 1x18 L capacity per day |
| 10.3% | Garden sprinkler 1 hour every 2 nd day in summer only |
| 11.5% | Washing machine (top loader) 150 L per cycle - 1 wash per day |
| 12.3% | Toilet (dual flush 8 L) 4 person home 5 times per person per day |
| 52% | Shower (ordinary showerhead) 4 people - 10 min per person per day |

CO₂ Emissions (kg/year)*

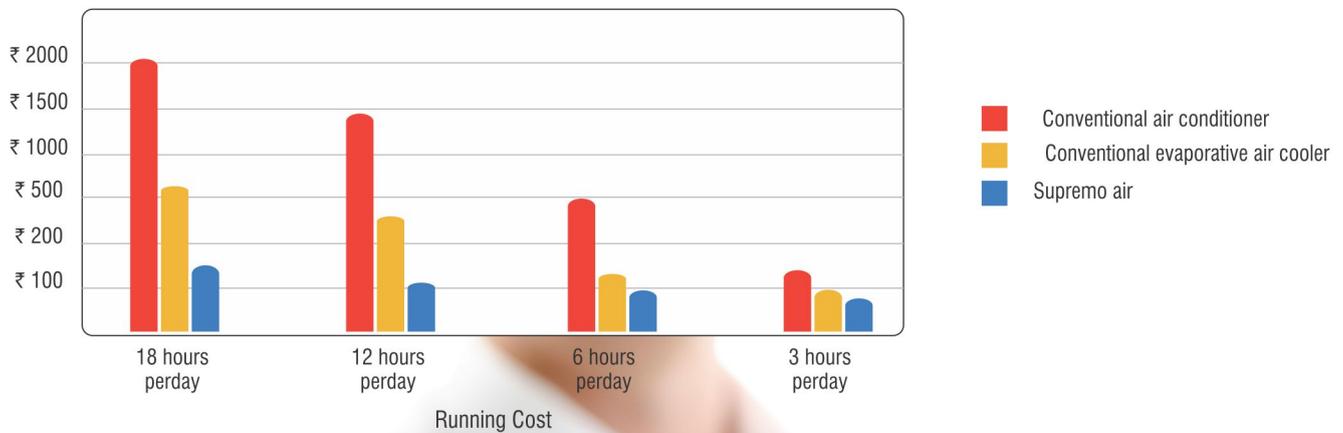


The above statistics is based on standard working and calculation. It may vary.

How efficient your Supremo Air will be?



The chart shows a comparison between equipment cost needed to cool an area with a single unit of Supremo Air evaporative cooler and number of conventional air conditioners.



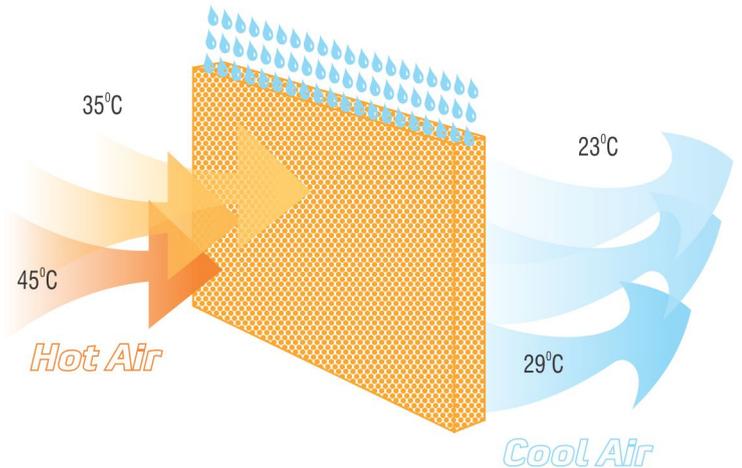
How to calculate

According to air change rate of the cooling area, mostly air change rate value and requirement of Supremo Air Cooler units can be calculated as below:

- Normal environment required air change rate: 25-30 times/h. (Residence).
- Stream of intensive public area required air change rate: 30-40 times/h. (Public Place).
- With additional heat loads from machinery production area required air change rate above: 40-50 times/h. (Industry).
- In high humidity area the air change rate will increase, conversely the air change rate will decrease in low humid area.

For example: In a 1000m² and additional heat loads from machinery, the height of this area is 3m, and use our 18000m³/h air cooler, the unit (N) of air coolers needed will be calculated as follows:

$$\begin{aligned}
 N &= \text{area} \times \text{height} \times \text{air change rate} \div \text{airflow} \\
 &= 1000\text{m}^2 \times 3\text{m} \times 50 \text{ times/h} \div 18000\text{m}^3/\text{h} \\
 &= 8 \text{ units} \\
 &\text{i.e. 8 Coolers are needed to cool this space.}
 \end{aligned}$$



Supply Air Temperature

| Ambient Dry Bulb Temperature (C) | Relative Humidity | | | | | | | | |
|----------------------------------|-------------------|------|------|------|------|------|------|------|------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| 10 | 4.0 | 4.0 | 5.5 | 6.0 | 7.0 | 7.5 | 8.0 | 9.0 | 9.5 |
| 15 | 7.5 | 8.5 | 9.5 | 10.5 | 11 | 12 | 13 | 13.5 | 14.3 |
| 20 | 11 | 12 | 13 | 14.5 | 15.5 | 16.5 | 17.5 | 18.5 | 19 |
| 25 | 14 | 16 | 17 | 18.5 | 20 | 21 | 22 | 23 | 24 |
| 30 | 17 | 19.5 | 21 | 22.5 | 24 | 25 | 26.5 | 28 | 29 |
| 35 | 20 | 23 | 25 | 26.5 | 28.5 | 30 | 31.5 | 32.5 | 34 |
| 40 | 23 | 26.5 | 29 | 31 | 32.5 | 34.5 | N/A | N/A | N/A |
| 45 | 26 | 29 | 32.5 | 35 | N/A | N/A | N/A | N/A | N/A |
| 50 | 29 | 32.5 | 36.5 | N/A | N/A | N/A | N/A | N/A | N/A |

*Supply air temperature is taken at outlet of fan.

Smart Digital Inverter Controller



Digital Display

Following features can be seen on the given digital display and controlled easily with a remote control.



Water Level

The display panel shows the current water level in the cooler. There is no need to check it physically.



Indoor Temperature

Indoor temperature of room can be seen and controlled with digital display.



Outlet Air Temperature

Display shows the current air temperature supplied and maintained by the cooler.



Humidity

Indoor humidity can be seen and controlled with digital display.



Motor Current

Motor current can be seen and controlled with digital display.



Air Speed

This icon lets you see the current air speed and controlling over it.



Auto Drain

This feature helps maintaining the cleanliness and hygiene by means of draining and refilling the water manually or automatically. It can be scheduled too and is one of its kind in this product range.



Exhaust

This feature lets you clean cooler's pad filters and exhaust indoor air simply by clicking on the display panel.



Motor Dynamic Display

You can see and control the current running motor direction of the cooler.



Mode Instructions Icon

With the help of this you can run the cooler on different modes and control the operations like;

- Cooling
- Only Fan Air
- Exhaust (Reverse)
- Drain
- Auto Clean



Motor

- Copper wound motor offers long life to the motor.
- Aluminum housing keeps motor cool even during continuous run.
- Air tight housing protects the motor from moisture.

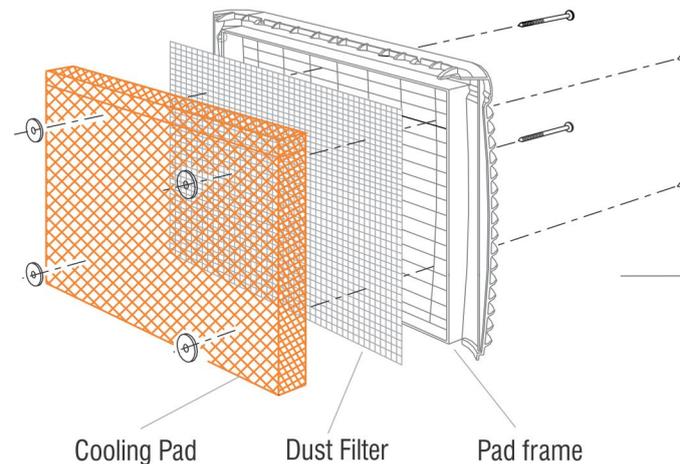
Free Flow Water Distributor

- An advanced water distribution system.
- Delivers continuous even water coverage to the cooling pads for maximum cooling.



Long-life Cooling Pads

- New and improved pad technology.
- Designed to ensure maximum saturation levels and therefore maximum cooling efficiency.
- Self-cleaning system: Dust and unwanted particles are captured on pads, washed away and drained off by the flow of water.
- Dust Filter cleans the air to make environment dust free and protects the cooling pad.



Control Box

- Water resistant design protects the circuit from water penetration.
- Transmits appropriate cooling to electronic circuit with aluminum heat sinks.



Water Manager System

- Electronic drain valve empties the reservoir automatically when system is not in use, leaving it clean and dry.
- Digital water level sensor ensures the system is operating at maximum efficiency, while using the minimum amount of water.
- Float valve ensures proper water supply to the cooler.



Fan

- Unique design of blades offers optimum air flow even in minimum fan rotation.
- Made of electroplated rust free metal and heavy duty industrial polypropylene.



Water Pump

- New elevated design protects the motor from water.
- Exceptional reliability in the most extreme conditions.





SA- 20000TA



SA- 20000DA

Specifications

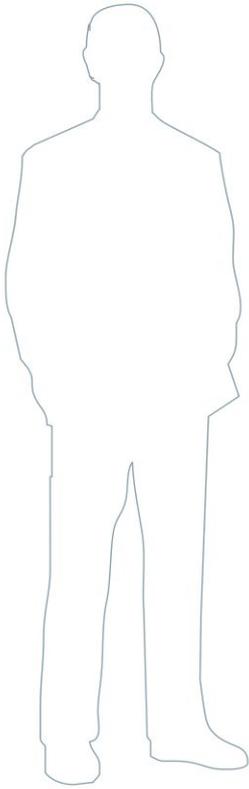
| Model | SA- 20000TA | SA- 20000DA |
|-------------------|---------------------------|---------------------------|
| Air Discharge | Top | Down |
| Power | 1.1kW/1.5HP | 1.1kW/1.5HP |
| Air Flow (m3/hr.) | 20000 | 20000 |
| Fan Type | Axial | Axial |
| Voltage | 1 Phase 220V | 1 Phase 220V |
| Frequency | 50HZ/60HZ | 50HZ/60HZ |
| Speed Option | 12/1 | 12/1 |
| Control System | Variable Speed Controller | Variable Speed Controller |
| Size (M) | 1.08*1.08*1.18 m | 1.08*1.08*1.18 m |
| Air Pressure | 180Pa | 180Pa |
| Cooling Area | 100-120 m2 | 100-120 m2 |
| Noise | 70DB | 70DB |
| Water Tank | 30L | 30L |
| Water Consumption | 15-18L/h | 15-18L/h |
| Weight | 70KG | 70KG |
| Air Outlet Size | 670*670mm | 670*670mm |
| Cooling Pad Size | (840+30)*760*100mm | (840+30)*760*100mm |



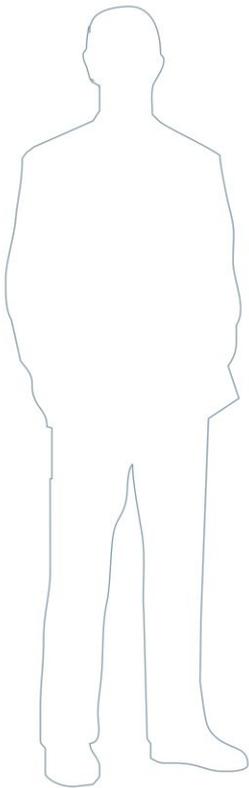
SA- 18CM

Specifications

| Model | SA- 18CM |
|-------------------|---------------------------|
| Air Discharge | Top |
| Power | 1.1kW/1.5HP |
| Air Flow (m3/hr.) | 18000 |
| Fan Type | Axial |
| Voltage | 1 Phase 220V |
| Frequency | 50HZ/60HZ |
| Speed Option | 3 |
| Control System | Variable Speed Controller |
| Size (M) | 1.12*0.5*1.5 m |
| Air Pressure | 180Pa |
| Cooling Area | 70-80 m2 |
| Noise | 70DB |
| Water Tank | 60L |
| Water Consumption | 10-12L/h |
| Weight | 50KG |
| Air Outlet Size | 770*770mm |
| Cooling Pad Size | (1075+25)*1170*90mm |



Single Way Duct



Four Way Duct

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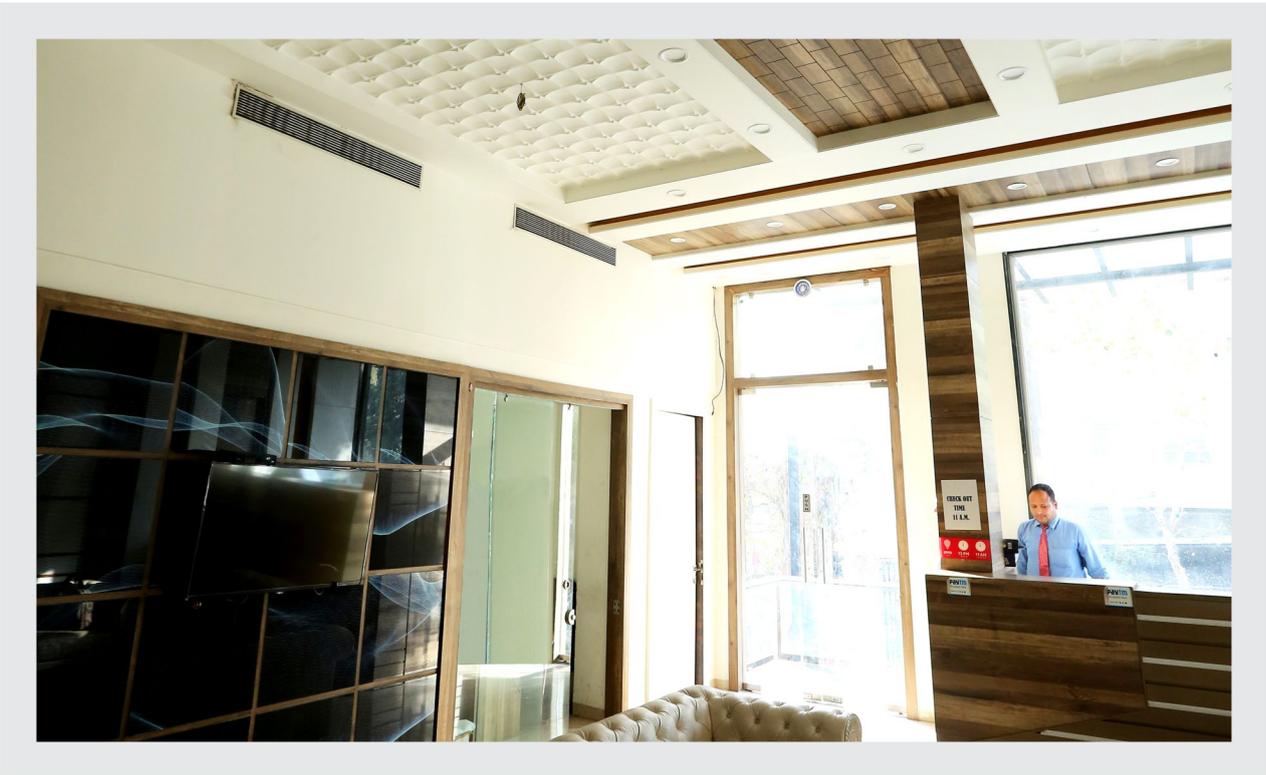
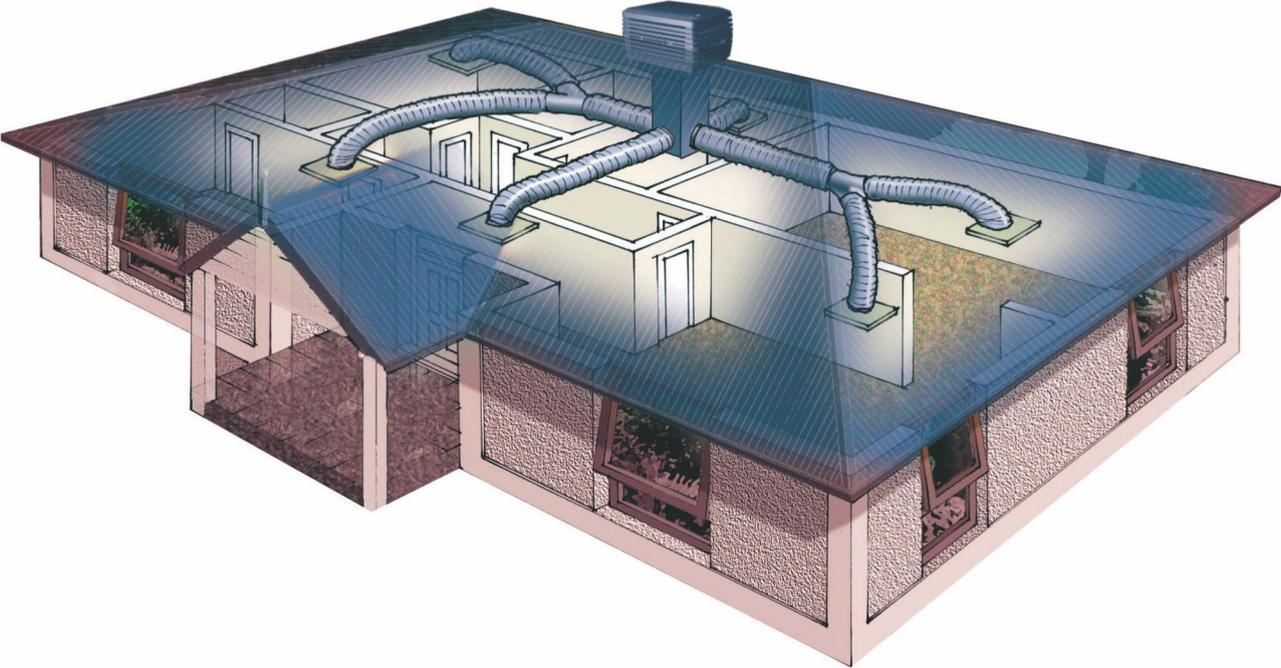


Supremo®

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Automatic Evaporative Coolers



Our Product Range



BLOW MOLDED WATER TANK



UNDERGROUND WATER TANK



ISI WATER TANK



4LAYER FOAM TANK



LOFT TANK



DUST BIN



WHEEL BARROW



INNOVATIVE OUTDOOR FURNITURE



LONG LIFE PLASTIC PLANTERS



LED SOFA



LED PLANTERS



EVAPORATIVE COOLER



CONSTRUCTION PAN (GHAMELA)



HM/LD FILMS



PVC PIPES



SWR PIPES



uPVC COLUMN PIPES



SPRINKLER PIPES

Our Clients



Supremo

Supremo is a trusted name in the field of Water Storage Tanks. It has over 20 years of combined experience in designing and manufacturing. With its wide range of Supremo Water Tanks and other Resin & Polymer based products it is a established, leading & trusted brand in the market with its quality, service and competitive price offering.

At Supremo, we strongly believe that product innovation is a token of its commitment to product leadership, as it strives to create value for its customers and the consumer. Recognized for its ability to build projects to specific quality levels and adherence to time schedules, the company commands a respect in the Water Storage fraternity with its leading brand Supremo Water Tanks.

Supported by the organization's operational excellence, well-established supply chain management and customer proximity, Supremo strives to meet the customer's stringent demands. We aim to apply the principle of REDUCTION, RE-USE and RECYCLE to our Business. Profitable growth through innovation, quality, commitment and superior customer service is our key statement.



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We Manufacture:

Water Storage Tanks

ISI Water Storage Tanks

Under Ground Water Tanks

Chemical Tanks

Loft Tanks

Puff Tanks

Wheel Barrow

Dust Bins

Construction Pans

Irrigation Pipes

uPVC Plumbing Pipes

Column Pipes

SWR Pipes

Air Coolers

Milk Cans

Garden Planters

LED Garden Planters

LED Furniture

Outdoor Furniture

Supremo INDIA P. Ltd.

13/1, Supremo Water Tank Factory,
Nemawar Road, Udyog Nagar, Palda, Indore-01
Madhya Pradesh, INDIA

At Supremo, we are committed to offer best products with installation and after sales services at best value for money to our esteem and valuable clients.

Our expert associates are available to help you select according to your specific usage. For details, please call us 96699-66699

☎ Mobile: +91 96699-66699

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🌐 Visit us at: www.supremo.in