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a unique company of commerce

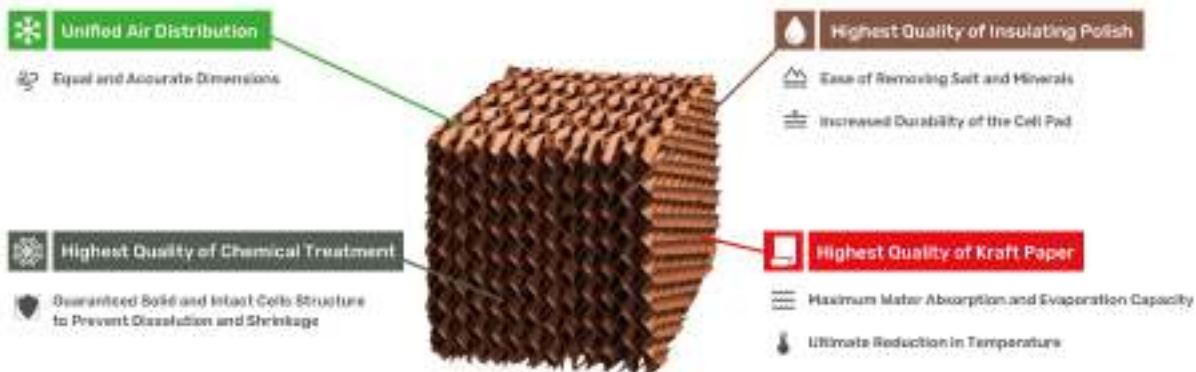


02

**INDUSTRIAL
EQUIPMENT & MATERIALS**

COOLING SYSTEMS

| SBS COOLING PADS



Tabreed SBS cooling pads consist of corrugated sheets of cellulose gathered in an opposite sequence with a "bee-hive" structure which generates air flow inside the cell.

PRODUCT SPECIFICATIONS

Our SBS is available in different heights and thickness as indicated in a table. The product dimensions describes the characteristics of the cell pad, here below are the different angles, corrugations and the flute heights.

HEIGHT	WIDTH	THICKNESS	ANGLES	CORRUGATION HEIGHT
100	60	10	45x45 - 30x60	5 & 7
100	60	15	45x45 - 30x60	5 & 7
120	60	10	45x45 - 30x60	5 & 7
120	60	15	45x45 - 30x60	5 & 7
150	60	10	45x45 - 30x60	5 & 7
150	60	15	45x45 - 30x60	5 & 7
180	60	10	45x45 - 30x60	5 & 7
180	60	15	45x45 - 30x60	5 & 7
200	60	10	45x45 - 30x60	5 & 7
200	60	15	45x45 - 30x60	5 & 7

| SBS AXIAL FANS



1380 * 1380 * 400 MM SBS FAN

MOTOR	Self-produced, stable quality, 3000 copper
BLADE SIZE	1250mm
BLADE MATERIAL	Stainless Steel
BLADE RPM	438 r/min.
FRAME MATERIAL	Galvanized
SHUTTER MATERIAL	Galvanized
AIR FLOW	45,000 m ³ /h.
POWER	1100 w.
SHUTTER OPEN TYPE	Two humans on two side cannot push
WEIGHT	55 kg.



1380 * 1380 * 450 MM SBS FAN

MOTOR	Self-produced, stable quality, 3000 copper, with cooling fan
BLADE SIZE	1250mm
BLADE MATERIAL	Stainless Steel
BLADE RPM	438 r/min.
FRAME MATERIAL	Galvanized
SHUTTER MATERIAL	Galvanized
AIR FLOW	45,000 m ³ /h.
POWER	1100 w.
SHUTTER OPEN TYPE	Push and pull device which connect fan blade
WEIGHT	75 kg.

| APPLICATIONS



POULTRY HOUSES

Since that most poultry houses with tunnel ventilations are not sufficient to derive the genetic growth potential from the chicks. Our SBS cooling pads and system is considered a very important ingredient in combining the tunnel ventilation property of the poultry houses to provide the chicks with the optimum environmental conditions required for their healthy growth.

The highest levels of performance from fully feathered broilers can be obtained in still-air temperatures below 26 degrees celcius. In most poultry houses, the still air temperatures can range from 19-26 degrees celcius, if temperature exceeds this range, its known that it can distort the growth potential of those broilers.



WORK PLACES, FACTORIES AND WAREHOUSES

Our SBS also works in factories and work places to provide a ventilated working environment for workers in order to overcome the heat that is radiated from the machinery. Which helps in raising the efficiency of the workers and hence increase productivity.

Cooling Towers

Our SBS can also be applied in cooling towers and industrial chillers used in factories. The cell pads are considered as a more cost-effective alternative than the metal sheets currently being used in industrial chillers.



LIVE STOCK

High temperatures can have a direct negative impact on birds and animal performance in terms of their growth, production and metabolism, in addition to their ability to convert feed to useful products.



GREEN HOUSES

Countries with rough climates can have an atmospheric temperature of 37 degrees celcius or sometimes even above, this always poses negative implications on the growth rates of crops inside the green houses, encouraging endothermic chemical reactions by the plant that distorts their growth rates.

Ventilations systems centralized cooling and heating systems in addition to supplemental lighting have contributed to extend the applications of green houses to year round cropping on relatively larger scales.

Cooling of green houses is necessary to maintain a temperature that shouldn't exceed 24 degrees celcius for the healthy growth of crops. High temperatures are known to cause loss of strength, reduction of flower size and delay of crop flowering. Our SBS cooling pads helps to maintain a high relative humidity at a constant temperature, which doesn't fluctuate during day light. Hence endorsing the healthy growth of crops.