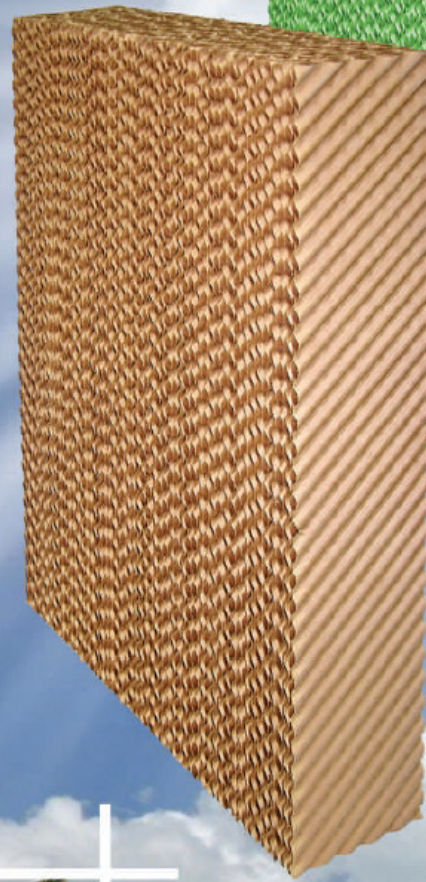
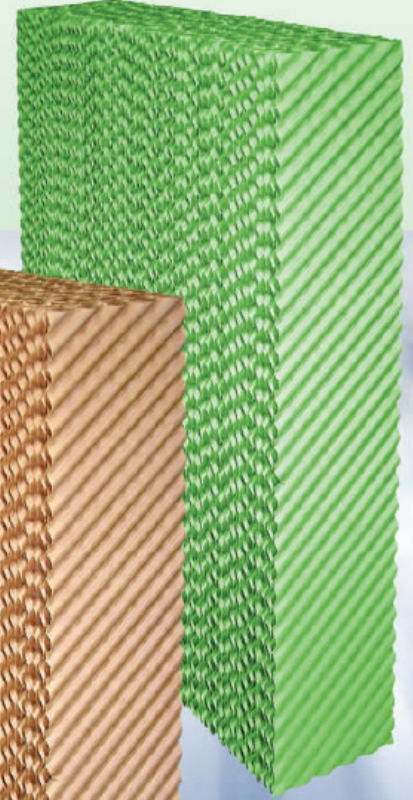


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EVAPORATIVE COOLING PAD

"Air Treatment & Ventilation Solution"



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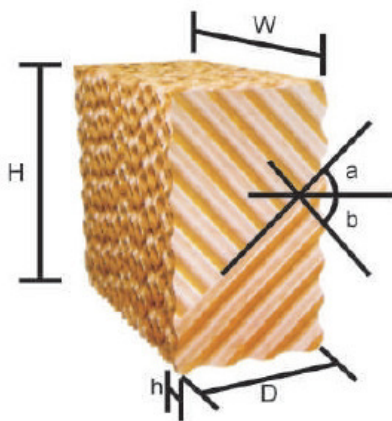
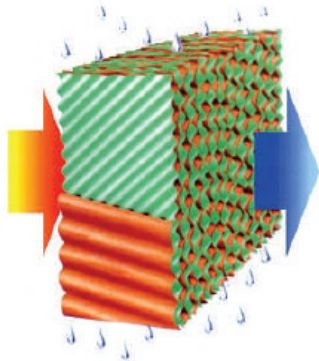
Evaporative Cooling Pad:- Introduction

evaporative cooling pads is made of fluted cellulose sheet those are glued together. Cellulose sheet is treated with unique ingredients to achieve high cooling efficiency & degradation resistance.

As hot air passes through the Evaporative Cooling Pads, a stream of cool and refreshing air is produced. model 5090 & 7090 evaporative cooling pads are developed to provide exceptional wetting properties and air flow to achieve optimum cooling capacity and maximum durability. Our cooling pads are your best choice !

The cooling pad acts as a device that cools air through the evaporation of water.

Cellulose cooling pads differs from typical traditional air conditioning systems and Evaporative cooling works by employing water's large enthalpy of vaporization.



H : Pad Height W : Pad Width h : Flute Height
D : Pad Depth a : Flute Angle b : Flute Angle

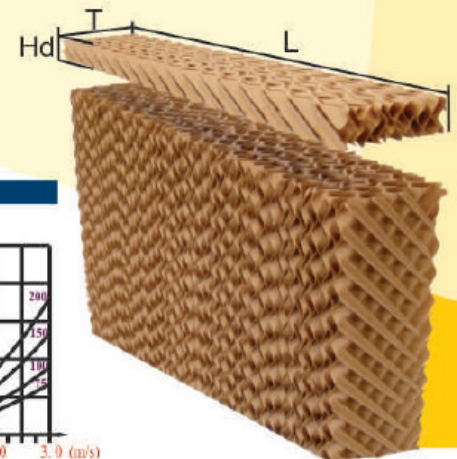
MODELS & PARAMETER

	7090	5090
H (mm)	1200, 1500, 1800, 2000	As per requirement
W (mm)	900, 600	As per requirement
D (mm)	100, 150, 200, 300	50 - 150
h (mm)	7	5
a	45°	45°
b	45°	45°

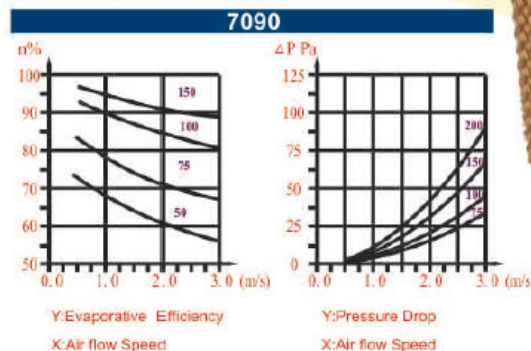
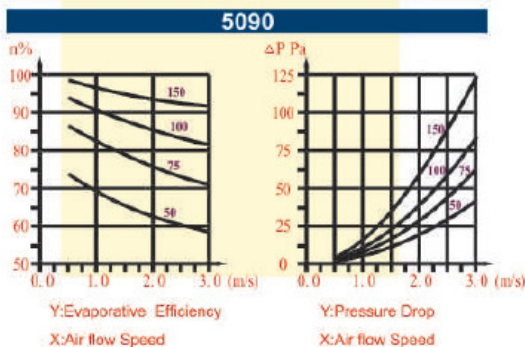
WATER DISTRIBUTION PAD

has the purpose of uniformly distributing the water across the whole upper surface of the panel in such a manner that the problems associated with scarcely wetted areas of the panel are avoided.

Standard panel height, Hd: 30 mm



Performance Curve of Evaporative cooling pad



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Features of Our Cool Evaporative Cooling Pad:-

Excellent wetting properties, Strong And self supporting, No water carry over, ECO friendl, High evaporation & cooling efficiency, Long life span, Self Cleaning, Easy to install, Low Pressure drop, Dirt Resistant, Low Operation Cost

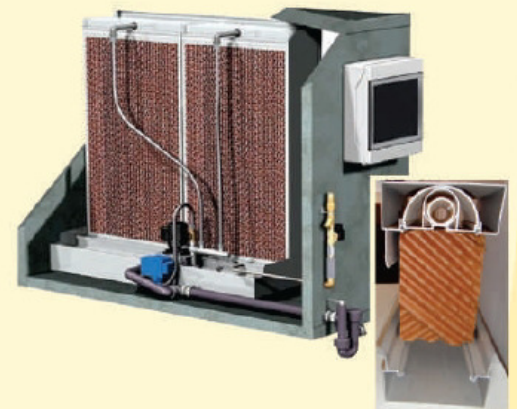
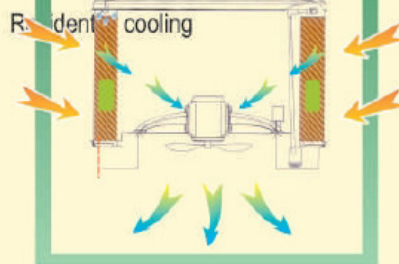
Applications where Evaporative Cooling Pad are used:-

- Greenhouse & Horticulture industry
- Vegetable Storage
- Mushroom Farming
- Seed Farming
- Floriculture
- Poultry&livestock
- Poultry Farms
- Livestock
- Hatcheries
- Dairy Farms
- Industrial & comfort cooling
- Cooling Fan
- Precoolers
- Industrial Humidification
- Residential Cooling

APPLICATIONS

Industrial and comfort cooling, Cooling fan,

Precoolers, Industrial humidification



APPLICATIONS

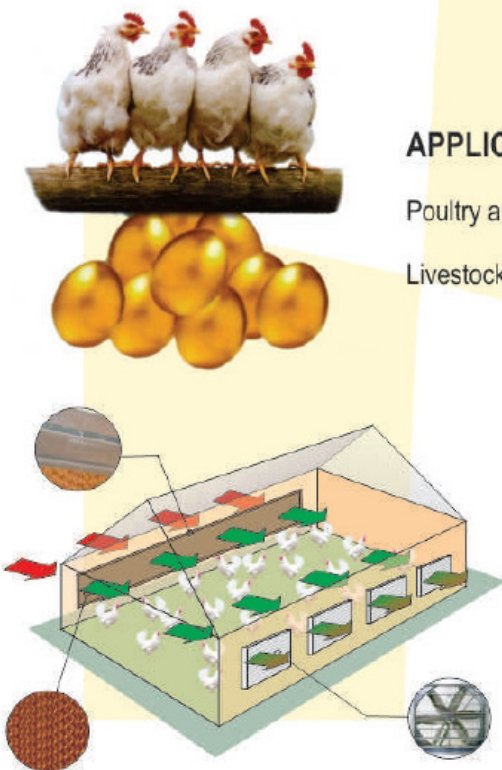
Poultry and Livestock industry, Poultry farms

Livestock, hatcheries, Dairy farms

Outside relative humidity (%)

	5	10	15	20	25	30	35	40	45	50	55	60	70	80	
	<i>temperature °C/ humidity % after pad</i>														
Outside temperature °C	15	5.2° 81.3%	5.8° 82.0%	6.4° 84.3%	7° 85.7%	7.6° 87.7%	8.1° 88.2%	8.7° 89.4%	9.2° 90.5%	9.8° 98.5%	10.3° 92.5%	10.3° 93.4%	11.3° 94.3%	12.3° 96.9%	13.2° 97.4%
	20	8.3° 80.1%	9° 81.9%	9.8° 83.5%	10.5° 85.1%	11.2° 86.5%	11.9° 87.8%	12.6° 89.1%	13.2° 90.2%	13.9° 91.3%	14.5° 92.3%	15.1° 93.3%	15.7° 94.2%	16.8° 95.9%	17.9° 97.4%
	25	11.2° 79%	12.1° 81%	13° 82.8%	13.9° 84.5%	14.8° 86%	15.6° 87.5%	16.4° 88.8%	17.2° 90%	17.2° 91.1%	18.7° 92.2%	19.4° 93.2%	20.1° 94.1%	21.4° 95.8%	22.7° 97.4%
	30	13.9° 77.8%	15.1° 80.1%	16.2° 82.1%	17.3° 84%	18.3° 85.6%	19.3° 87.1%	20.3° 88.5%	21.2° 89.8%	22° 91%	22.9° 92.1%	23.7° 93.1%	24.5° 94.1%	26° 95.8%	27.4° 97.4%
	35	16.6° 67%	18° 79.2%	19.4° 81.5%	20.7° 83.5%	21.9° 85.3%	23° 86.9%	24.1° 88.3%	25.2° 89.6%	26.2° 90.9%	27.4° 92%	28° 93%	28.9° 94%	30.6° 95.8%	32.2° 97.3%
40	19.2° 75.6%	20.9° 78.4%	22.5° 80.9%	24° 83%	25.4° 84.9%	26.7° 86.6%	28° 88.1%	29.2° 89.5%	30.3° 90.8%	31.4° 91.9%	32.4° 93%	33.4° 94%	35.2° 95.8%	36.9° 97.3%	
45	21.8° 74.5%	23.8° 77.7%	25.7° 80.4%	19.2° 75.8%	29° 84.7%	30.5° 86.4%	31.9° 88%	33.2° 89.4%	34.5° 90.7%	35.7° 91.9%	36.8° 93%	37.9° 94%	39.9° 95.8%	41.7° 97.3%	
50	24.3° 73.5%	26.7° 77%	28.8° 79.9%	30.8° 82.3%	32.6° 84.4%	34.3° 86.3%	35.9° 87.9%	37.3° 89.3%	38.7° 90.6%	40° 91.8%	41.2° 92.9%	42.4° 93.9%	44.5° 95.7%	46.5° 97.3%	

Example: Outlet Air Temp and Relative Humidity from DevCool Pad 7090 Model, 150mm thick @ 1.5m/s Inlet Air speed.



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APPLICATIONS

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Mushroom farming, Seed farming, Floriculture

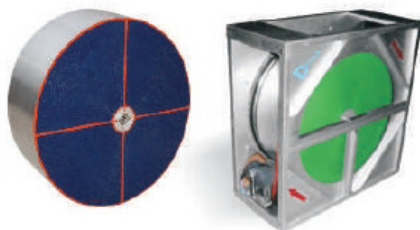


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