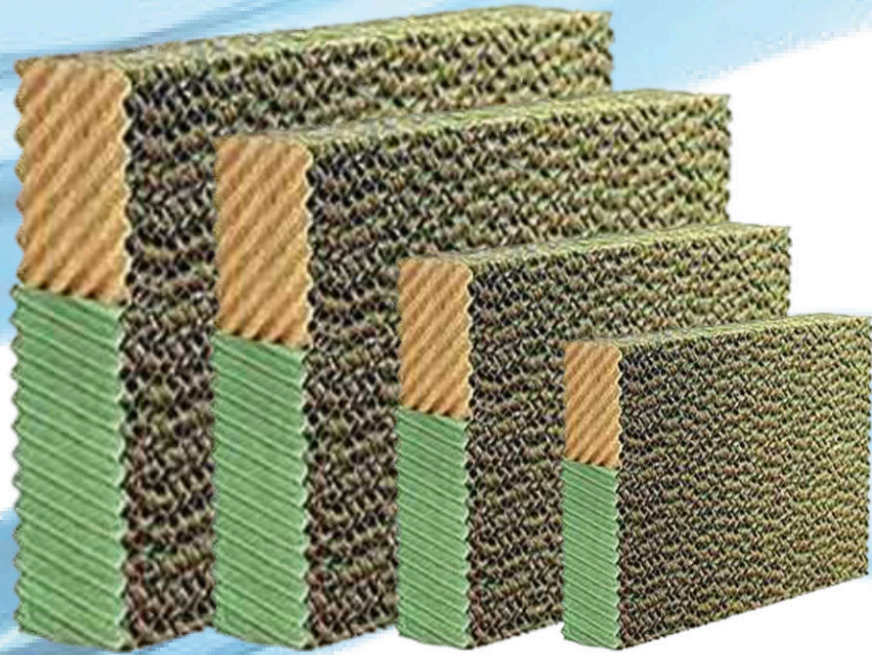


CELLULOSE PADS (VAPUR+)[®]
(90% Saturation Efficiency)





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Cellulose Pad are of imported origin of VAPUR+ make. The cooling pad is made of Cellulose (Pulp) sheet and bonded together in 7 mm flute size in 45° x 45° angle.

The Cellulose pad is cross corrugated coated with antirot, rigidifying and wetting resins. The VAPUR+ Pads are for maximum efficiency, at minimum pressure drop.

These pads are commonly used for their filtration properties in various applications, particularly in humidifiers, air filters, cooling systems, and water filtration systems. Cellulose is a highly porous material, allowing it to trap dust, dirt, bacteria, and other particles from the air or water while permitting fluid (air or water) to pass through. Cellulose pads are popular for their efficiency, eco-friendliness, and cost-effectiveness.

PRODUCT SPECIFICATION

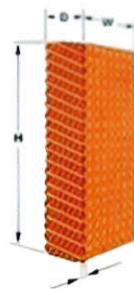


Cooling Pad

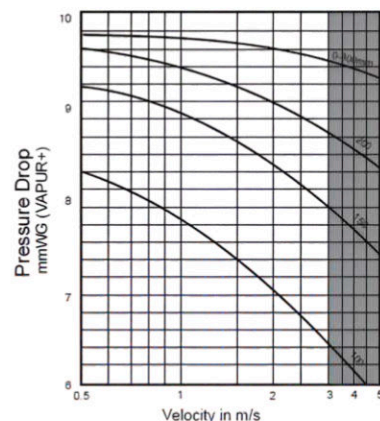
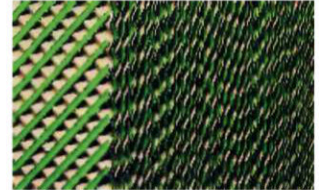
Cooling Pad is available in standard height and depths. The standard width is 600mm.

STANDARD SIZES

VAPUR+		
HEIGHT	WIDTH	DEPTH
1800	600	200
1200	600	200
900	600	200
600	600	200



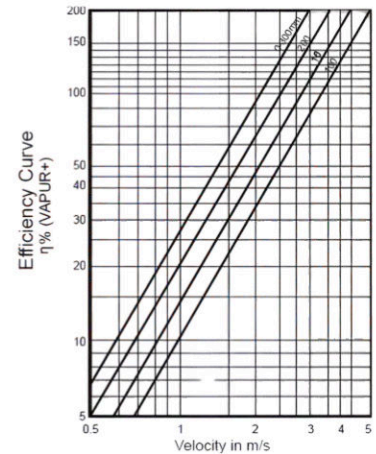
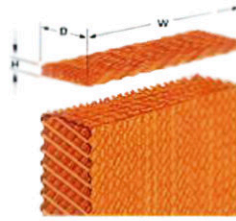
PERFORMANCE CURVES



To get 300 mm depth (200mm + 100mm)

Water Distribution Pad

The distribution pad has a special angle arrangement to disperse the water and thus ensure a uniform supply of water on the cooling pads. In this way, the risk of dry spots that may occurs in case of an uneven water flow is eliminated. A Distribution pad has to be ordered by itself and is available in standard heights and depths. The standard width is 600mm.



1. Natural and Eco-Friendly

One of the key benefits of cellulose pads is that they are made from natural plant fibers, making them an environmentally friendly filtration option. The material is biodegradable and renewable, helping reduce the environmental impact compared to synthetic filters.

2. Effective for Larger Particles

These pads are particularly effective at capturing larger particles such as dust, pollen, hair, and dirt. In air filtration, cellulose pads can help prevent these larger particles from entering HVAC systems or other air circulation units.

3. Cost-Effective

Cellulose pads are often less expensive compared to synthetic alternatives or more complex filtration systems like HEPA filters. This makes them a popular choice for budget-conscious consumers or systems that require frequent filter replacements.

4. Biodegradable and Recyclable

Being made from natural cellulose fibers, these pads are biodegradable, which means they break down naturally over time without leaving harmful waste. Many cellulose pads are also recyclable, adding to their sustainability and reducing landfill waste.

5. Low Resistance to Air moves

Unlike some synthetic filters, cellulose pads allow for a relatively low pressure drop in air or water flow. This means that air or water can flow through the pad with minimal restriction, ensuring the system operates efficiently without overloading the motor or energy source.

6. Customizable Thickness and Density

Depending on the application, cellulose pads can be made in different thicknesses and densities. Denser pads provide better filtration, while thinner ones may be suitable for systems with higher Air moves needs. This flexibility allows cellulose pads to be customized for specific filtration needs.

7. Relatively Low Maintenance

Cellulose pads generally require minimal maintenance compared to some more complex filtration systems. In most cases, they need to be cleaned or replaced periodically, depending on the level of dirt or debris they have captured.

APPLICATIONS

- **Humidifiers**

Cellulose pads are commonly used in evaporative humidifiers. The pad absorbs water, and as air is drawn through the wet surface, it picks up moisture, helping to increase the humidity in a room.

- **Cooling Systems (Evaporative Coolers)**

In evaporative cooling systems, cellulose pads are used to cool air by absorbing water. As air passes through the wetted pad, it evaporates the water, which cools the air before it is circulated into the living or working space.

- **Air Filtration**

In HVAC systems or air purifiers, cellulose pads serve as pre-filters to capture larger particles before the air moves through the finer, more sensitive filters like HEPA or activated carbon filters. This extends the life of the finer filters and improves overall filtration efficiency.

- **Aquarium Filtration**

In aquariums, cellulose pads help remove debris, sediment, and organic matter from the water, providing cleaner and healthier conditions for aquatic life.

- **Industrial and Commercial Water Filtration**

In industrial water treatment systems, cellulose pads are used to filter out suspended particles, debris, and other contaminants from the water before it enters the next stage of filtration or processing.

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The intention of this brochure is to introduce you to, and acquaint you with the capabilities of the HUMIDIN organization in the offered product areas. It will not answer all your immediate questions, and indeed, it will no doubt raise others. We welcome your interest in our products and shall be very pleased to provide further information.

GUARANTEES

HUMIDIN guarantees its products to be free of defects in materials and workmanship for a period of one year from the date of delivery from the factory, provided motors are properly installed with overload protector. Humidin agrees to repair or replace defective parts or part to be returned to the factory, all transportation charges prepaid. Humidin does not guarantee against abrasion, corrosion or erosion. Humidin shall not be held responsible for any charges in connection with the removal or replacement of alleged defective equipment nor for incidental consequential damages

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