



HPC 4545 AC

Humidifying Panels

HPC 4545 AC(Humidifying Panel Cellulose – 45° x 45° - Adiabatic Cooling)

Is a Humidifying pad obtained by the assembly of wavy Kraft cellulose sheets , which are soaked of additives and resins.

These chemicals confer a great mechanical resistance, making the pad self-supporting. Besides, it is UV-resistant, it contains biocides which inhibit the mould formation, increasing the useful product duration.

Working Principle

The working principle is very simple ad it is a natural process.

Water is feed by a pump from the panel top and is suitably distributed by a distribution system, which uniformly wets the entire surface.

The air which pass through the panel is then cooled and humidified.

Applications:

The APC Humidifying panel is used in many applications where the maximum efficiencies of air cooling and humidification are required, keeping down the air pressure drop.

The principal systems where it is used are:

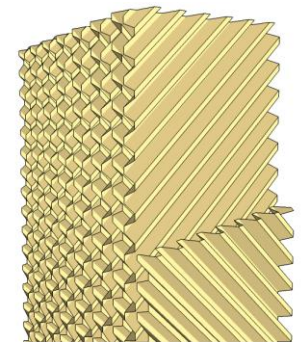
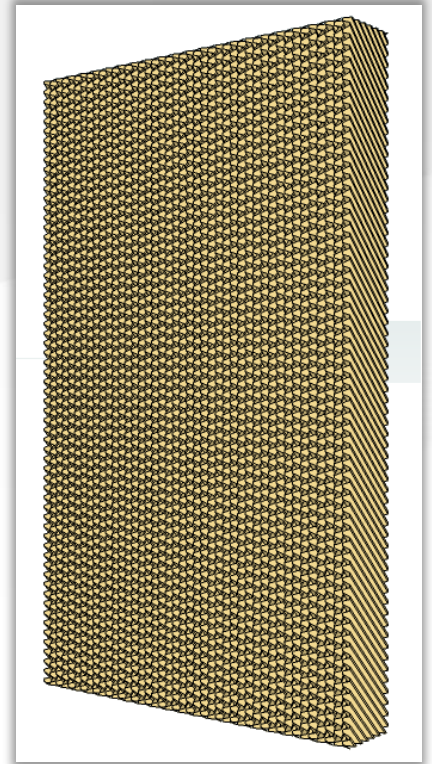
- ❖ Humidification Sections
- ❖ Air adiabatic coolers
- ❖ Drop elimination Sections

Principal Advantages:

- ❖ High Efficiency
- ❖ Low Air Pressure Drop
- ❖ Self-Supporting
- ❖ Low Exercise Costs
- ❖ Fast Installation
- ❖ Long Useful Duration
- ❖ UV Resistant

We Recommend:

- ❖ Humidification Section Periodic Control
- ❖ Foresee intermediate water distribution systems for section taller than 2 m
- ❖ Avoid the use of hard water
- ❖ Avoid the use of demineralized water





Humidifying Panels

Standard Pad Sizes:

Height (mm)	1000	1500	2000	
Width (mm)	600			
Depth (mm)	50	75	100	150

Pieces per Box

Pieces per Box		Pieces per Box	
Depth 50 mm	20 pc	Depth 50 mm	20 pc
Depth 75 mm	12 pcs	Depth 75 mm	12 pcs
Depth 100 mm	10 pcs	Depth 100 mm	10 pcs
Depth 150 mm	6 pcs	Depth 150 mm	6 pcs

