



Your Full-Service
Cooling Technologies Company
www.paharpur.com



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FILM FILL MC67, PC47, PC67 & MX75

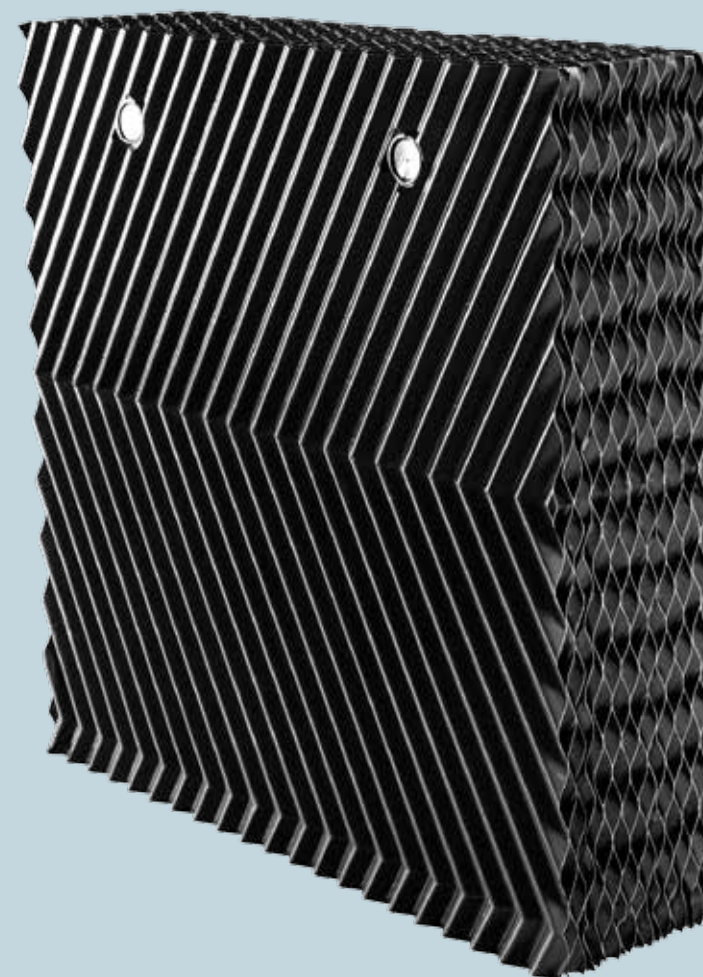


100% PAHARPUR 100% PERFORMANCE

The power to perform comes from being prepared for the most demanding challenges. Every component in a Paharpur product is designed in-house and is produced to deliver

reliable performance even in the roughest conditions. The most reliable thermal performance can only be obtained only when genuine Paharpur parts work together.

USE ONLY ORIGINAL PAHARPUR SPARE PARTS FOR RELIABLE PERFORMANCE.



6 decades

of providing customised cooling solutions

World's No.1

Manufacturer of both Wet & Dry cooling solutions

11,080 billion

Installations worldwide

100%

manufacturing control

PAHARPUR LEADS

INDUSTRY-LEADING THERMAL PERFORMANCE

PAHARPUR LEADS



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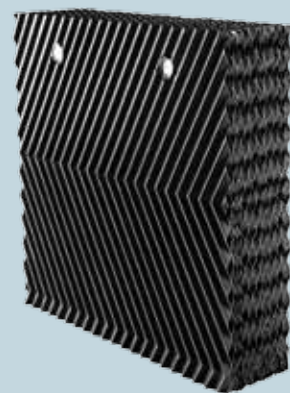
INDIAN OFFICES

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GLOBAL OFFICES

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Izmir, Turkey
Beijing, China
Seoul, South Korea
Denver / Bridgewater/
Overland Park, USA

With Paharpur's film fill, you can expect matchless thermal performance – high volumetric efficiency, maximum surface-area contact between air & water and minimum resistance to airflow.



PAHARPUR
FILL MX75

Manufacturing precision is key to ensuring a reliable and long-lasting fill pack. Paharpur designs and produces its fill in-house, from scratch; our particular expertise in process cooling technology informs every stage of design, production and testing.

There are many reasons why Paharpur's fill leads the industry in terms of thermal performance, service life and cooling efficiency – we add value to our products in every stage of design & production. With great attention to detail, careful selection of raw materials and manufacturing control, we deliver a truly matchless fill-pack and help you make the most of your process cooling equipment.

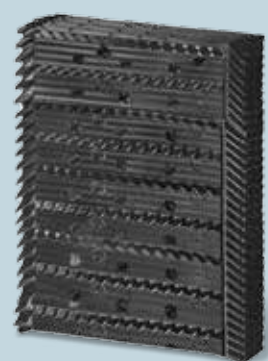
Design: Paharpur's cross-corrugated fill design maximises surface area contact and contact-time between air and water, while also maintaining a low resistance to airflow. These corrugations help establish fill-sheet spacing

– 0.47" or 0.67", depending on your requirements.
Surface-area-contact between air & water: Paharpur's fill design provides a high degree of surface-area-contact between hot water and cold air for proper heat exchange. We supply film fill in 3 variations of sheet spacing – 0.47", 0.67" and 0.75". Fill spacing is chosen carefully to balance the need for higher surface-area and lower resistance to airflow.

Least resistance to airflow: Apart from providing high surface-area-contact, fill packs must also provide minimum resistance to airflow. A higher resistance will require a greater fan power to pull the air through the fill area; Paharpur can reliably

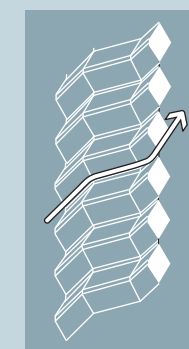
balance cooling efficiency and power consumption so that you get the most out of your tower and still maintain operating economy.

Manufacturing strength: Manufacturing quality and strength is crucial to ensuring that you get a truly world-class product. Like all other parts and components, Paharpur completely manufactures its fill in-house, starting with PVC resin. Temperature control and the use of right chemicals in specific proportions is crucial and helps us ensure UV resistance and impact resistance – qualities that both improve performance and help elongate the service-life of the fill pack.



ADVANTAGES

- Low pressure drop
- Reduction in fan power consumption
- Low drift loss **Only 0.005% of flow rate**



DRIFT ELIMINATOR

MOST EFFECTIVE AT VELOCITY V

Maximising overall efficiency

MOST EFFECTIVE AT VELOCITY V



FILL

Drift eliminators are designed such that they are effective at the air-velocity that at which the fill is most effective

Single-pack design:

Paharpur manufactures fill sheets of 6ft height; we design our cooling towers to have a single, continuous layer of fill. Having multiple layers is in fact detrimental to cooling efficiency – as it takes hot water a few inches to form a thin 'film' between sheets.

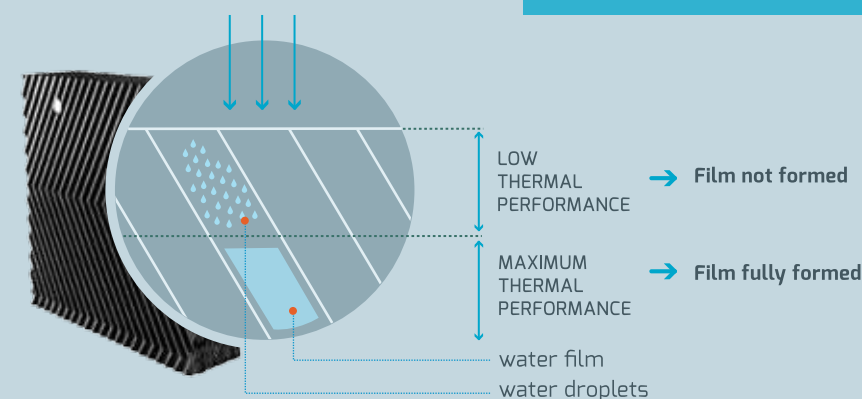
The OEM Advantage:

Reliable thermal performance relies heavily on manufacturing strength; as one of the very few OEMs in the industry, Paharpur can design & produce parts suited to a specific tower design, taking into account all relevant parameters, whereas others

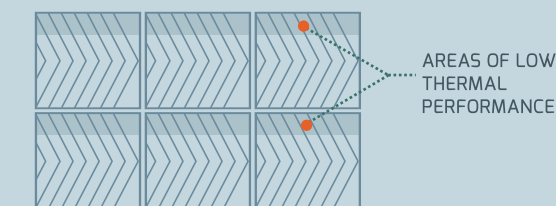
may have to rely on laboratory ratings and third-parties to build their cooling tower components – and can hence never promise seamless performance or an appreciable degree of customisation like Paharpur.

DUMMY

SINGLE LAYER FILL VS MULTI LAYER FILL



PAHARPUR



HIGH DEGREE OF LOSS IN EFFICIENCY

OTHER MANUFACTURER

PAHARPUR LEADS