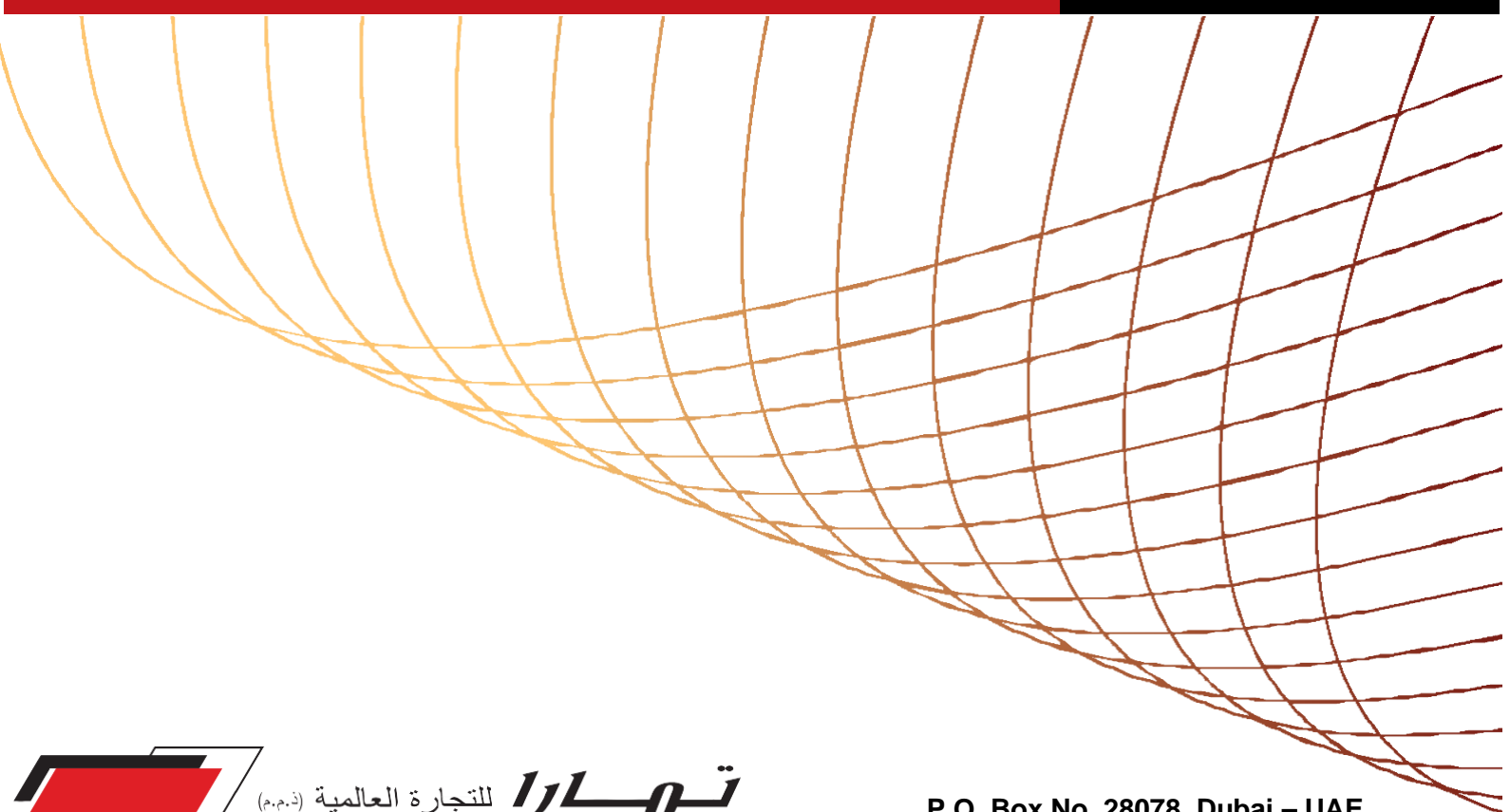




# Tamara Trading International LLC

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## Product category

- Cooling tower fills

Marley Fill

BAC Fill

Cross Fluted Fill

Kuken Fill

Liangchi Fill

Spindle Fill

Shinwa Fill

Other Fills

- Cooling tower Drift Eliminator

Marley Drift Eliminator

BAC Drift Eliminator

EVAPCO Drift Eliminator

Other Drift Eliminator

- Cooling tower Nozzles

Marley nozzles

BAC nozzles

Other nozzles

- Air Inlet Louver

- Factory

## Marley Fill



Width	1520, 1420, 1320, 1220, 1120, 1020, 920, 820, 720, 620mm
Length	According to clients' request
Sheet spacing	19 mm
Thickness	0.38mm/0.30mm
Flute angle	30°
Sheets per FT	16

MX Fill is available in MX75 configuration and higher-performing MX625 configuration. MX is a hanging film type cooling tower fill which spreads the water into a thin film, flowing over large vertical surfaces, promoting maximum exposure to air flow. This type of fill provides much more water surface exposure per cubic foot than splash type fill.

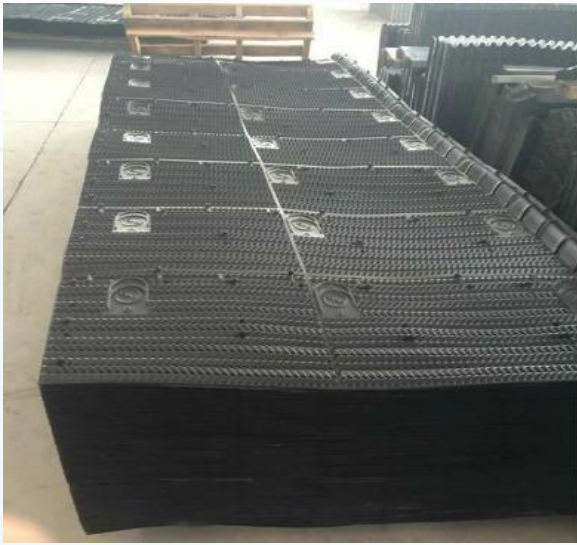
MX fill incorporates highly efficient cellular drift eliminators, integrally molded within the fill sheets. Compared with previous designs, these eliminators reduce drift emissions from the tower by a factor of ten or more! Less drift means tower owners save water bills and water treatment chemical expenses.

Louvers are also integrally molded within the fill sheets preventing water from escaping and assuring precise air distribution throughout wide variations in airflow. Unlike towers equipped with separate external louvers, this fill operates virtually ice-free even in extremely cold weather.

Marley MC75 is a film fill system designed for counterflow towers offering you several distinct advantages.

Crossed corrugations provide the surface area and turbulence to develop efficient heat transfer. The corrugations inherently establish uniform fill sheet spacing at 0.75.

## BAC Fill



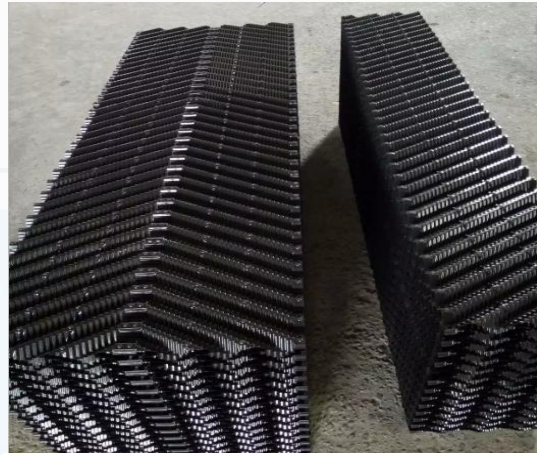
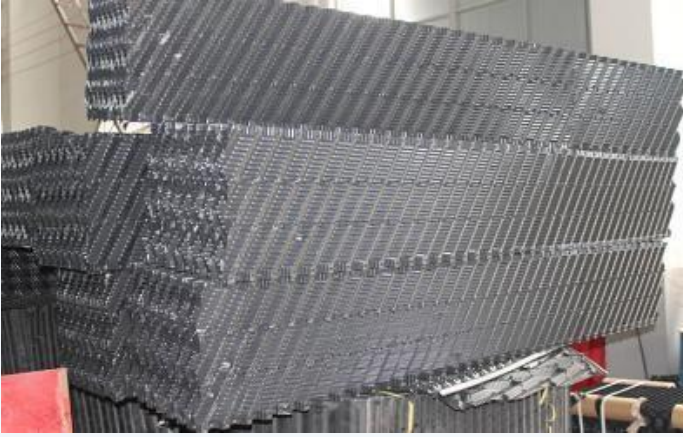
Sheet size	Width 1330mm/ 380mm
Thickness	0.30mm-0.45mm
Application temperature	-35°C ~ 75°C
Tensile Strength MPa 23°C	55
Coefficient of heat conductivity (W/MK)	0.14
Coefficient of thermal expansion ( $\times 10^{-4} K^{-1}$ )	0.63

BAC Evaporative condensers provide heat rejection for many types of systems, and the specific application will largely determine which BAC Evaporative Condenser is best suited for a project. The information contained within this section is geared towards the use of evaporative condensers in the HVAC and light industrial markets only. Evaporative condensers are used in these markets to provide lower condensing temperatures and compressor horsepower savings of up to 15 percent when compared with traditional systems.

There are two types of evaporative condensers: combined flow and counterflow.



## Cross Fluted Fill



Width	150 / 305 / 610/915mm
length	any length
height	any height
sheet thickness	0.25-0.40mm
wave height	12/15/19/25mm
material	pvc , pp
application	counter flow cooling tower ;or waste water trickling filter

Oblique cooling tower fills also called cross-fluted film fill media

manufactured from rigid PVC sheets conforming to CTI STD-136

for cooling tower heat-transfer applications. The media is fabricated from corrugated PVC sheets that are solvent-welded for maximum strength and resistant to UV, rot, fungus, organic and inorganic solvents, acids, alkalis, and chemicals normally found in cooling tower waters.



## Kuken Fill



Material	PVC/PP
Length	Customized
Width	1000mm/920mm / 950/800/730/750mm
Gap	20mm (0.79")
Thickness	0.27mm
Temperature suitable	-35°C ~ 60°C
Color	Black, gray
Shaping mode	Plastic extrusion mould

This kind of PVC filler for Square Cooling Tower Parts with the advanced technical, long lifetime, low resistance, light weight. During the service, the fill can increase the water flow process. It is widely used in Square cooling tower. Characters acid – proof alkali – resisting anticorrosion for the organic solvent good performance of inflaming retarding Increasing cross-sectional area add water retention time.

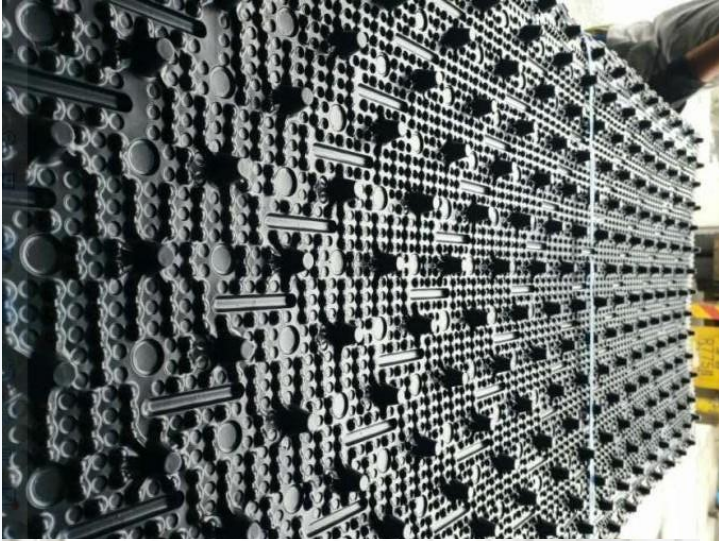
### Description of Kuken cooling tower fill

Kuken cooling tower filler is made from PVC injection molding under high pressure, it has special structure form, not only certain stiffness, but some flexibility.

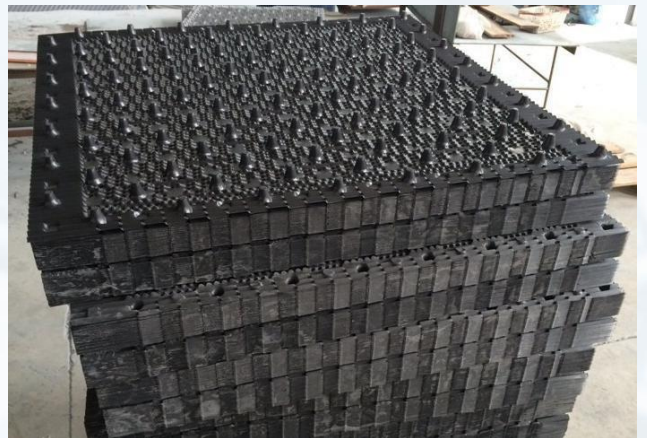
Due to good elasticity, the filler would chatter under the water-drop impact effect lead to some water drop rebound to above for water redistribution.

It has the advantages of direct replacement, performance enhancement, and water condition compatibility. Allow various heat loads, flow rates, water quality, and horse power combinations selections.

## Liangchi Fill



Material	PVC
Length	800mm /1600mm, or any length or sheet size 1000*1200mm
Width	750mm (29.5")
Gap	20mm
Thickness	0.3mm-0.6mm
Temperature suitable	-35 °C ~ 60°C
Color	Black, gray
Shaping mode	hot press



PVC material filling, filling is glued with a fixed pitch, provide evenly water distribution and is unlikely to impede, and is convenient for cleaning.

### Feature:

Deal in "dirty water" applications.

Missing nozzles.

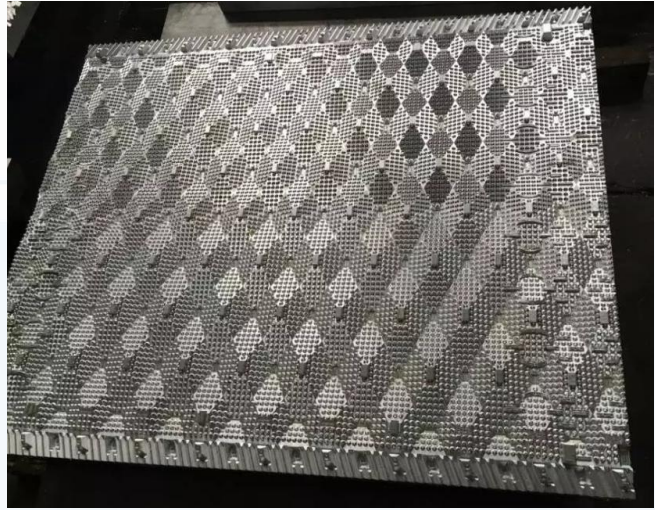
Water easily redistributes itself.

Ideal in dusty or wooded environments.

Easy maintenance.



## Spindle Fill



Spindle cooling Tower Fill is one of the most important components for exchange of gas and water in cooling tower. It is the major parts to improve the efficiency of cooling tower and make sure the economy and safe operation. With the development of the plastic industry, counter-current tower drench water plastic packing.

Size(mm)	Fills Width (mm)	Fills Height (mm)	Fill thickness(mm)	Pitch Distance(mm)
850*1000	850	1000	0.30	16,18mm
1000*1000	1000	1000	0.30	14.5
Temperature suitable		-35°C~60°C		
Color		Black, gray		
Shaping mode		Plastic extrusion mould		

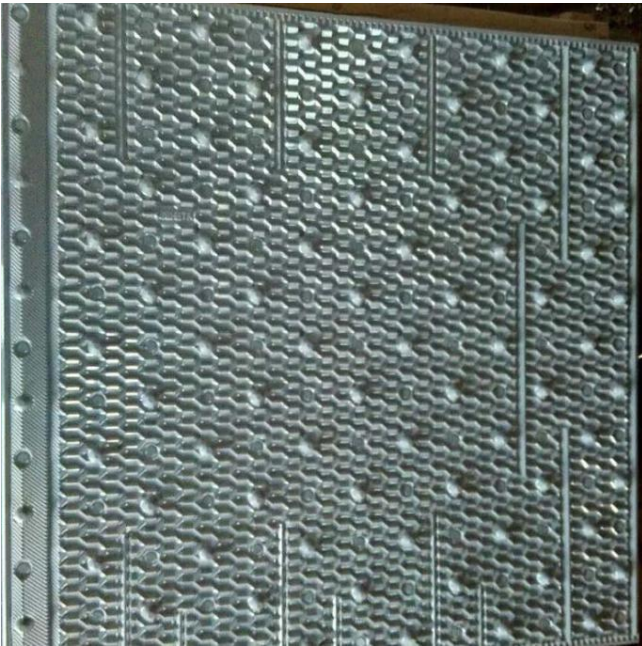
## New Design Spindle Fill

Sheet Width 1300mm, 1000mm length





## Shinwa Fill



Cooling tower fill is one of the most important components for exchange of gas and water in cooling tower. The heat and resistance characteristic of the cooling tower fill are the main factors influencing the cooling efficiency. Moreover the quality of the material will influence the fill's lifetime. We choose the high quality fill material for the cooling tower, with the advantages of good chemical stability, resistant acid, alkali and organic solvent corrosion, high cooling efficiency, small ventilation resistance, strong hydrophilicity, large contact area etc.



Size(mm)	Fills Width (mm)	Fills Height (mm)	Fill thickness(mm)	Pitch Distance (mm)
950*950	950	950	0.30	20mm
1000*1000	1000	1000	0.30	20mm
Temperature suitable	-35°C~60°C			
Color	Black, gray			
Special size	trapezoidal shape			

**Packing by wooden case or wooden pallets, can be shipped in loose sheets or glued block.**



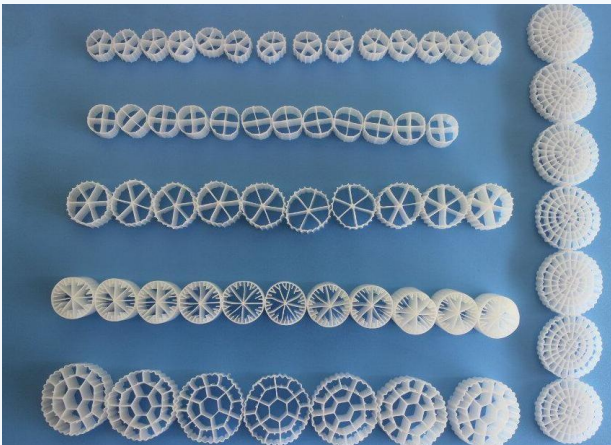
## Other Fills



S wave fill



PVC/PPTube Settler



MBBR Filter Media



PP Grid fill



Round fill rolls



Offset fluted fill

If above fills are not what you need, We can build mould according to your request.

## Cooling tower Drift Eliminator

### Marley Drift Eliminator

XCEL Marley cellular drift eliminator Features:  
Minimum Pressure Drop  
Multi-Pass High Efficient Drift Rate (.002%)  
Design For Use in Crossflow and Counterflow Applications  
Solvent Welded for Maximum Strength and Pack Integrity  
Material Complies with Cooling Technology Institute Standard 136  
Available in PVC or HPVC Material

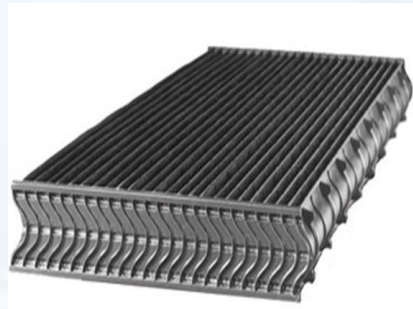


### BAC Drift Eliminator

The function of drift eliminator is to minimize the amount of water carried out from the cooling tower with the exhaust air. It's designed to prevent the droplets and mist from escaping by capturing the droplets and sending them back into the tower.

Efficient drift eliminators will keep drift losses to less than 0.001% of the recirculating water flow rate.

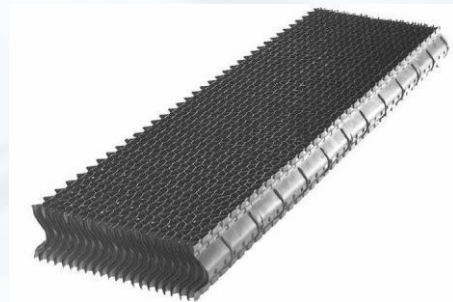
We are the manufacturer of BAC cooling tower drift eliminator, and we can produce drift eliminator with side walls.



### EVAPCO Drift Eliminator

An extremely efficient drift eliminator system is standard on the eco-ATC evaporative condenser. The system removes entrained water droplets from the air stream to limit the drift rate to less than 0.001% of the recirculating water rate. With a low drift rate, the eco-ATC Evaporative Condenser saves valuable water and water treatment chemicals. The eco-ATC Evaporative Condenser can be located in areas where minimum water carryover is critical, such as parking lots.

The drift eliminators are constructed of an inert polyvinyl chloride (PVC) plastic material which effectively eliminates corrosion of these vital components. They are assembled in sections to facilitate easy removal for inspection of the water distribution system.



### Other Drift Eliminator

Drift eliminators remove small droplets of water that are entrained in the exhaust air to minimize the nuisance and health issues that they create if allowed to escape through the top of the tower along with the heated air. Drift eliminators are designed to create a tortuous path for the air stream. When the water droplets move through them, they are forced to change direction and impact the drift eliminator side walls, coalescing and draining back into the wet section of the cooling tower.



## Cooling tower Nozzles

### Marley nozzles



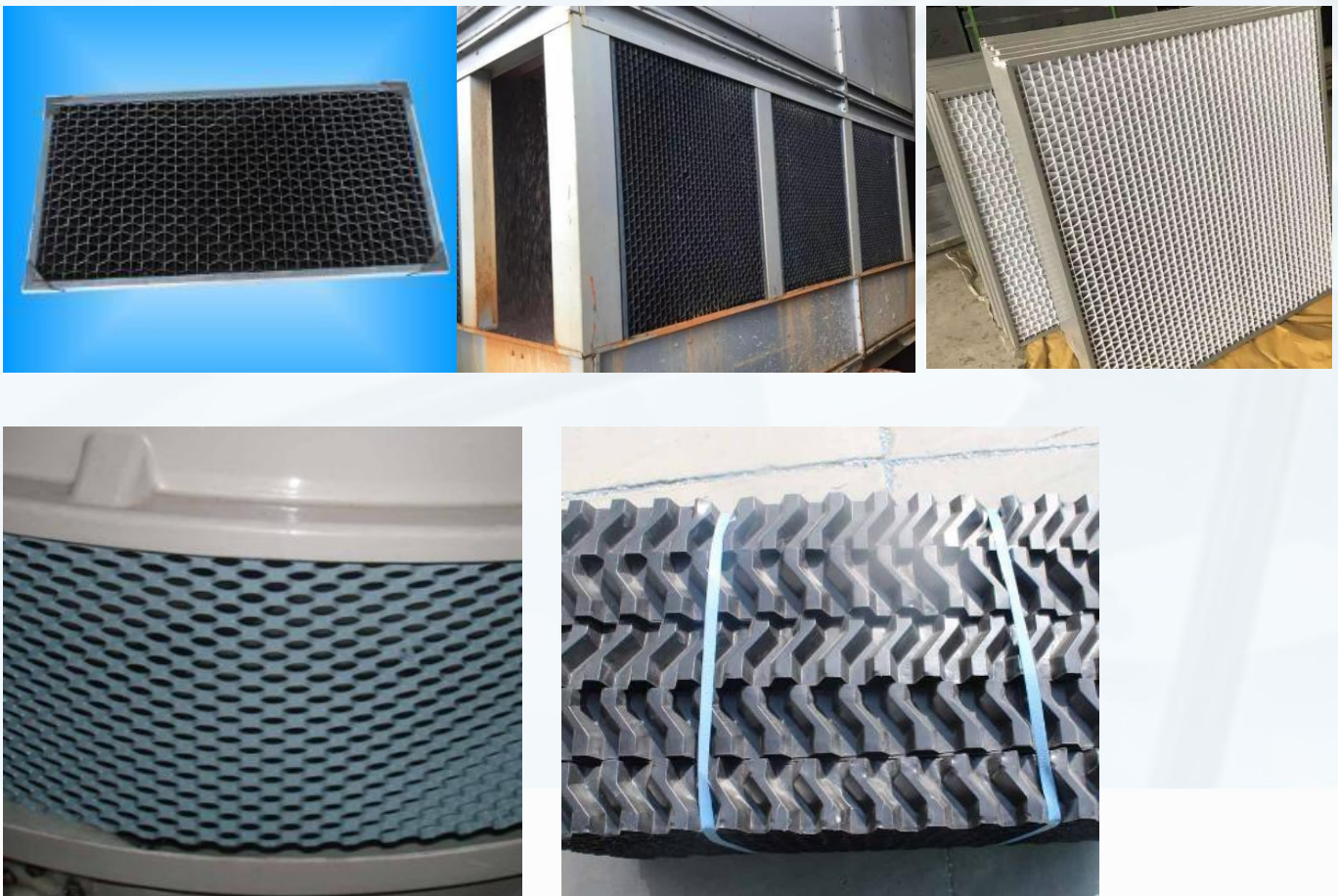
### BAC nozzles



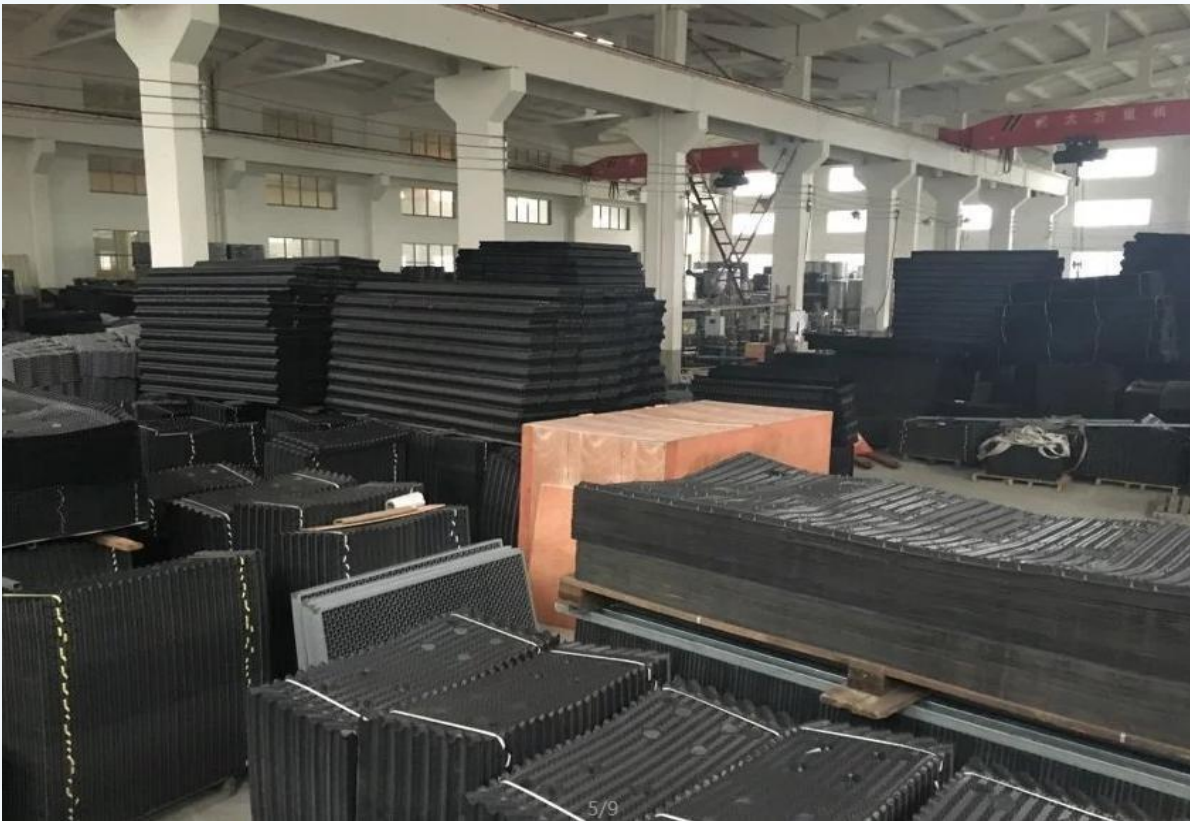
### Other nozzles



## Air Inlet Louver



## Factory



**Production Line and Warehouse;  
Our strength is Quick Delivery**