

Thank you for visiting www.universaltowerparts.com

Universal Tower Parts is a manufacturer and direct supplier of replacement cooling tower components. We specialize in providing fast accurate quotations for PVC and Mechanical Components for most Makes and Models of Package Cooling Towers.

Universal is a unique supplier; we are a stocking distributor and manufacturer.

Provide us with:

- ☐ Make, Model and Serial Numbers.
- ☐ Tell us which components you need.

Our office staff will send you a quotation for the materials and estimated shipping to your destination.

Visit our Online Store

Our online store offers an easy/fast way to order some of the parts we offer

www.coolingtowerpartsonline.com

NOZZLE KING

Universal Tower Parts acquired Nozzle King, same large inventory of Nozzles and Pipe Grommets.

Primary Contact Information

Universal Tower Parts
5633 N. 52nd Ave.
Glendale, AZ 85301
(602) 997-0403

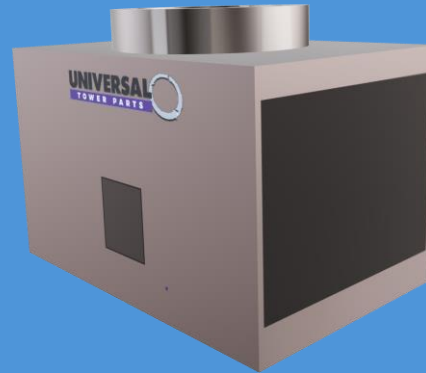
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NOZZLE KING

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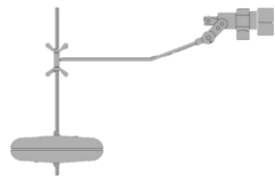
- ☐ Fill Media Kits
- ☐ Drift Eliminators
- ☐ Heavy Duty Drift Eliminators
- ☐ Air Inlet Louvers
- ☐ Float Assemblies
- ☐ Aluminum Fans
- ☐ Sheaves
- ☐ Fan Shafts
- ☐ Pillow Block Bearings
- ☐ Fan Belts
- ☐ Vibration Controls
- ☐ Motors
- ☐ Pump/Motor Combo
- ☐ Immersion Heaters
- ☐ Nozzles
- ☐ Pipe Grommets
- ☐ Tower Shield Coating
- ☐ Evaporative Cooler Media Packs

Call **602-997-0403**

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In Stock

Cooling Tower **Float Assemblies**



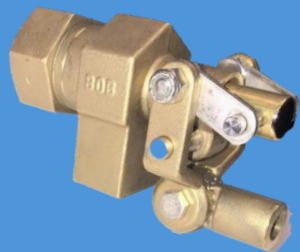
2"



1-1/2"



1-1/4"



1"



3/4"



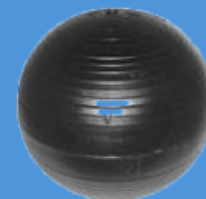
1/2"



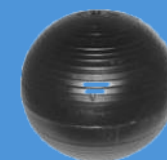
12"



10"



8"

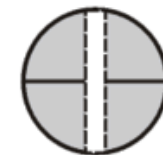


6"

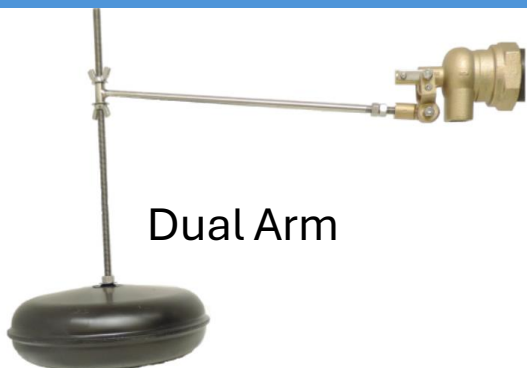
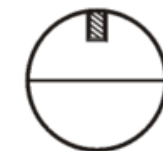
Foam Filled



Thru-Hole



Threaded Hole



Dual Arm



Single Arm



Repair Kits



Welded Flange
w/Nipple



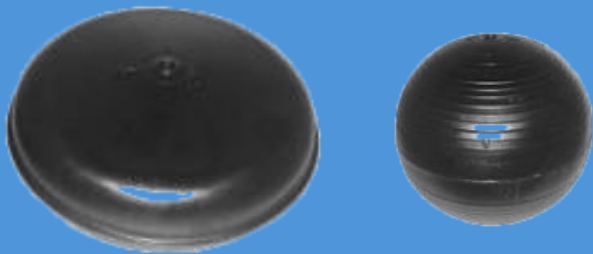
Importance of your Float Assembly

Cooling tower float valves, though small, hold immense importance in maintaining system efficiency, conserving water, and protecting equipment. They are the unsung heroes of industrial and commercial cooling systems, ensuring that operations run smoothly and sustainably. By understanding their functions and investing in regular maintenance and modern innovations, industries can maximize the benefits of these critical components.

The next time you examine a cooling system, remember that **the float valve is more than just a mechanical device**—it is a cornerstone of operational reliability and environmental stewardship.



Universal Tower Parts
Only Provides the highest
quality Foam Filled Float
Balls and Pan Floats.



Why Foam-Filled Float Balls?

Foam-filled float balls are specifically engineered to meet the demands of cooling tower environments. Here's why they are commonly chosen:

1. Enhanced Durability

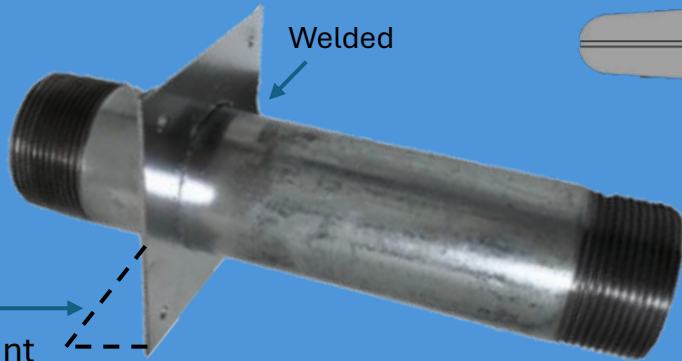
Foam-filled float balls are designed to withstand the harsh conditions of cooling towers. They are resistant to impacts, punctures, and wear and tear, which makes them more durable than hollow float balls. The foam core provides additional structural integrity, ensuring a long lifespan even in challenging environments.

2. Leak Resistance

Unlike hollow float balls, foam-filled ones are not prone to sinking if the outer shell is compromised. The foam core acts as a safeguard, maintaining buoyancy even if the shell is damaged. This feature is particularly important in cooling towers, where reliability is crucial.



Float Repair Kits



Nipple w/Flange Kit
All sizes and configurations



Float Valve float arm Adapter
For 1/2" - 2" Bob Floats



BOB valve Repair Kits



- 3000** * Simple Fill- On/Off
- 5000** * Fill-On/Off, Low Alarm
- 6000** * Fill-On/Off, High Alarm & Low and Low-Low Critical Alarm
- 6540** A/B/D * Duplex Control with High & Low Alarm

Inside or Outside Mount
Available



Specification and
Submittal Sheets
Available for each
System.

Electronic Water Level Control

Alternative Solutions to Mechanical Float Assemblies





602-997-0403

Let's Break the Ice

B
A
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Copper Sheathed Elements

- 1 Explosion Proof Casing
- 2 2' Brass Screw Plug Fitting
- 3 Copper Sheathed Heating Elements

304 Stainless Steel Elements

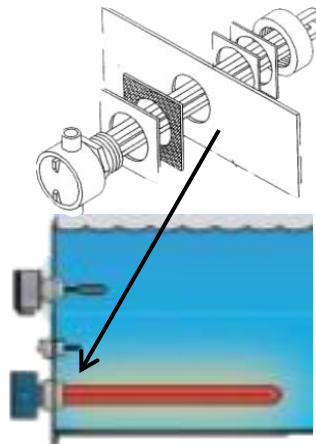
- 1 Explosion Proof Casing
- 2 2" 304 SS Screw Plug Fitting
- 3 304 SS Sheathed Heating Elements

Control Panels

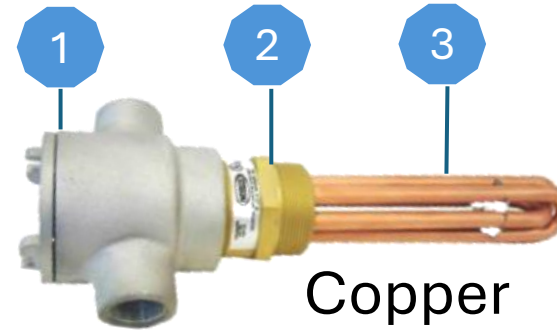
- ▲ 870 series, two options available.
Simple on/off Control
- ▲ 870 SCR Series Controls Entire Heat
Load Directly, Varying Output 0-100%

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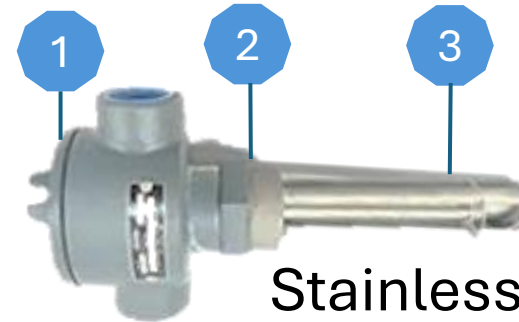
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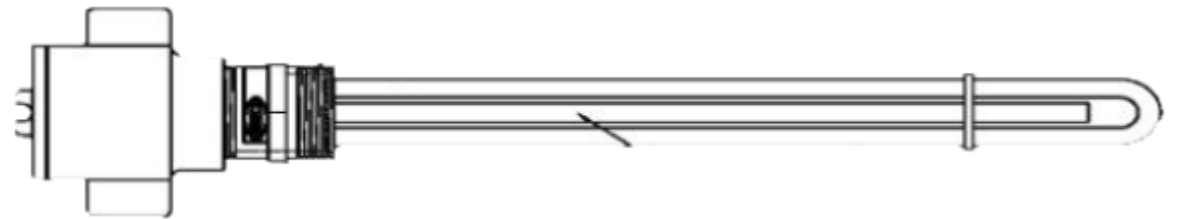
Cooling Tower IMMERSION / BASIN HEATERS



Copper



Stainless Steel



_____KW _____VOLTS _____PHASE 



▲ Control Panels



Low Water Cut-Off
Probe



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- **5' to 36' Diameters**
- Adjustable Pitch
- Vortex Tips
- Ideal for Variable Speed Drives

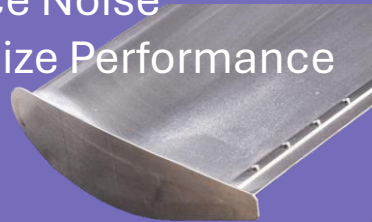
3-day lead-time

Aluminum Fans

Back Side View

Vortex Tips

- Reduce Noise
- Optimize Performance



Top Side View

Aluminum Cooling Tower Fans

602-997-0403

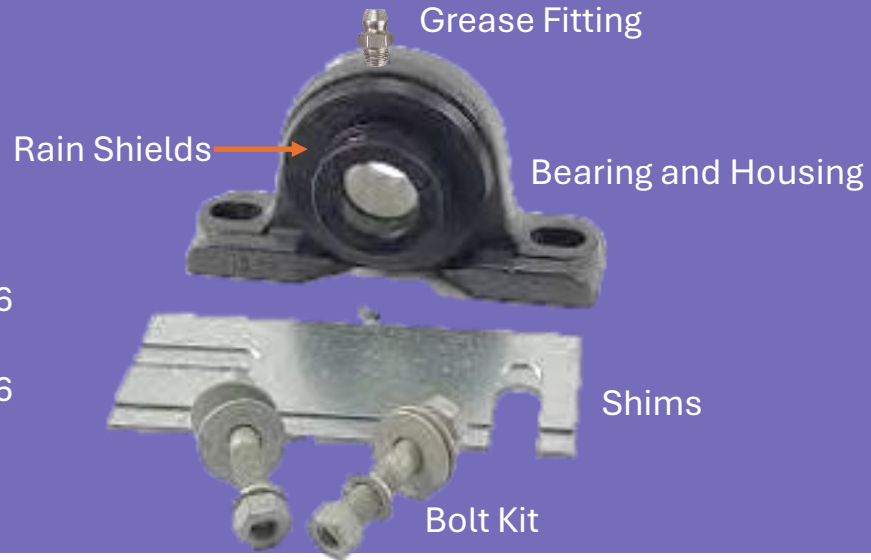
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Pillow Block Bearings



In Stock

- ☐ 1-7/16
- ☐ 1-11/16
- ☐ 2-3/16
- ☐ 2-11/16
- ☐ 2-7/16



All Bearing Kits Include:

- ☐ Pillow Block Bearings
- ☐ Grease Fittings
- ☐ Built-in Rain Shield Protectors
- ☐ Bolts, Nuts and Washers
- ☐ Galvanized Steel Shims

Other Available Items:

- | | | |
|--|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> Fill Kits | <input type="checkbox"/> Fans | <input type="checkbox"/> Belts |
| <input type="checkbox"/> Drift Eliminators | <input type="checkbox"/> Shafts | <input type="checkbox"/> Nozzles |
| <input type="checkbox"/> Air Inlet Louvers | <input type="checkbox"/> Bearings | <input type="checkbox"/> Grommets |
| <input type="checkbox"/> Float Assemblies | <input type="checkbox"/> Sheaves | <input type="checkbox"/> End Caps |

Rain Shield



Pillow Block Bearings with Hard Cover Rain Shields for Vertical Fan Applications

Pillow block bearings and **rain shields** are indispensable components of cooling towers, each playing a vital role in ensuring efficient and reliable operation. While pillow block bearings facilitate smooth mechanical performance, rain shields protect these and other components from environmental hazards. Proper maintenance and quality materials are key to maximizing their performance and lifespan, ultimately contributing to the cooling tower's overall efficiency and durability.

Protective Interaction

Rain shields indirectly protect pillow block bearings by preventing environmental contaminants from reaching them. This reduces the risk of bearing failure due to water ingress, debris, or corrosion.

Purpose of Rain Shields

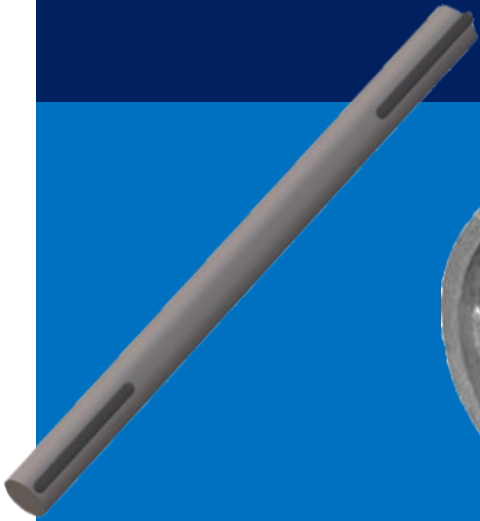
Rain shields, also known as weather guards or rain hoods, are installed in cooling towers to protect sensitive components from external environmental factors such as rain, snow, or debris. They are particularly important in outdoor cooling towers exposed to the elements.



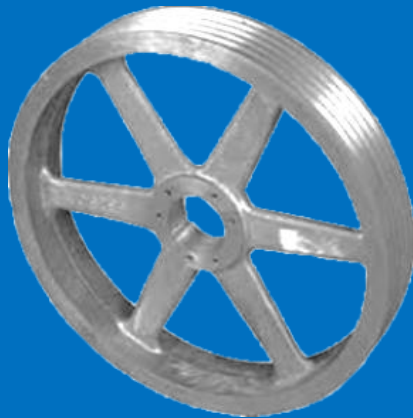
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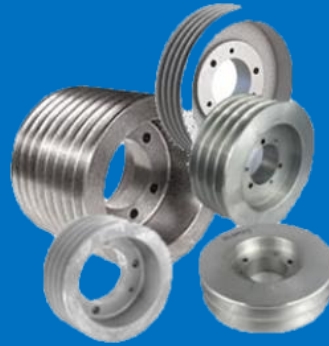
Sheaves and Shafts



Fan Shafts



Drive Sheaves



Motor Sheaves



Bushings

- ☐ Polished Steel Fan Shafts
- ☐ Aluminum Drive Sheaves
- ☐ Aluminum Motor Sheaves
- ☐ Fan and Sheave Bushings

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Vibration Switches Cooling Towers



VS2
Manual Reset



VS2C
Manual Reset
C-clamp mount
45' cable

VC2EXR
Remote Reset
Explosion Proof

VC2EXR-15
115V

VC2EXR-24
24 VDC



Other Available Items:

- ☐ Fill Kits
- ☐ Drift Eliminators
- ☐ Air Inlet Louvers
- ☐ Float Assemblies

- ☐ Fans
- ☐ Shafts
- ☐ Bearings
- ☐ Sheaves

- ☐ Belts
- ☐ Nozzles
- ☐ Grommets
- ☐ End Caps

Why Vibration Switches are Essential

Vibration switches are indispensable in **mitigating the risks** associated with excessive vibrations. Their key functions include:

1. Early Detection of Abnormal Vibrations

By constantly monitoring the vibration levels of cooling tower fans, these switches can detect even minor deviations from the norm. Early detection allows for the identification of underlying mechanical issues before they escalate into major problems.

2. Automatic Shutoff for Safety

In instances where vibration levels exceed pre-set thresholds, the vibration switch can automatically shut down the fan. This immediate response prevents further damage to the fan, motor, or structural components of the cooling tower.

3. Prevention of Costly Downtime

Unmonitored vibrations can lead to catastrophic failures, resulting in prolonged downtime and expensive repairs. Vibration switches help avoid such scenarios by safeguarding the system against severe damage.

4. Enhanced Equipment Longevity

Continual exposure to high levels of vibration accelerates wear and tear on components. By curbing excessive vibrations, vibration switches contribute to extending the lifespan of the equipment.



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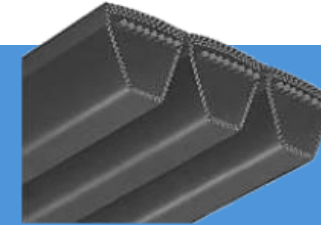
Cooling Tower **Fan Belts**

High quality transmission belts

F
A
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B
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S

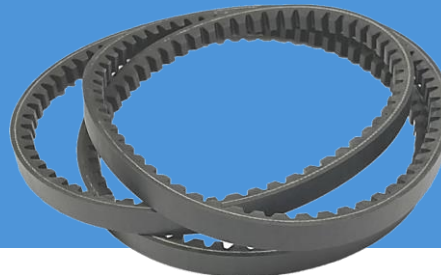
- ☐ Power Banded Belts
- ☐ V-Belts
- ☐ Cogged Belts
- ☐ Associated Item(s) Available



Banded



V-Belt



Cogged Belt

Call Us or Buy Online

Cooling Tower **Pumps** / **Motors**

1 Pump / Motor Combination

Eisa Close Coupled Centrifugal Vertical Pump with Mechanical Seal. Totally Enclosed Motor includes protective Canopy Cover for Outdoor Protection.

2 Weg Fan Motors

TEFC, Totally Enclosed, Inverter Duty, Sealed Ball Bearing Type Motors. Premium Efficient Class F Insulated, 1.15 Service Factor, Inverter Rated Per NEMA MG1



TEFC Inverter Duty Pump / Motors



TEFC Inverter Duty Motors

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Compete supplier of Cooling Tower Components.

Fill Media, Drift Eliminators, Louvers, Float Assemblies, Nozzles, Grommets, Fans, Sheaves, Bearings, Belts, Vibration Control and more.

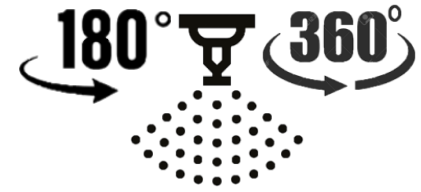
UNIVERSAL TOWER PARTS





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Water Distribution Nozzles and Grommets



In Stock-Replacement Nozzles for BAC, Marley, EVAPCO, IMECO and more



The Importance of Cooling Tower Spray Nozzles

Optimizing Cooling Efficiency and Thermal Performance

Cooling towers are an essential component of many industrial and commercial systems, playing a pivotal role in regulating temperature by dissipating heat into the atmosphere. Among the various components that contribute to their functionality, spray nozzles stand out as a critical element. **Though often overlooked**, these small yet vital devices are the heart of the cooling process, ensuring efficiency, reliability, and long-term system performance. This article delves into the importance of cooling tower spray nozzles, their types, functions, and the impact they have on the overall system.

1. Uniform Water Distribution

The primary function of spray nozzles is to achieve uniform distribution of water across the fill media. Uneven distribution can lead to dry spots where airflow is wasted and wet spots where water stagnates, reducing the overall efficiency of the cooling tower.

2. Enhanced Heat Transfer

By breaking the water into smaller droplets or spreading it into a film, spray nozzles increase the surface area exposed to air. This maximizes the evaporative cooling process, significantly improving the heat transfer rate.



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ACCESS DOOR GASKETS

Neoprene Rubber



17" dia.

fits
BAC / EVAPCO



20" dia.

fits
EVAPCO



22" dia.

fits
BAC / EVAPCO



Door Handles
Bolt Kits

3M
GASKET ADHESIVE



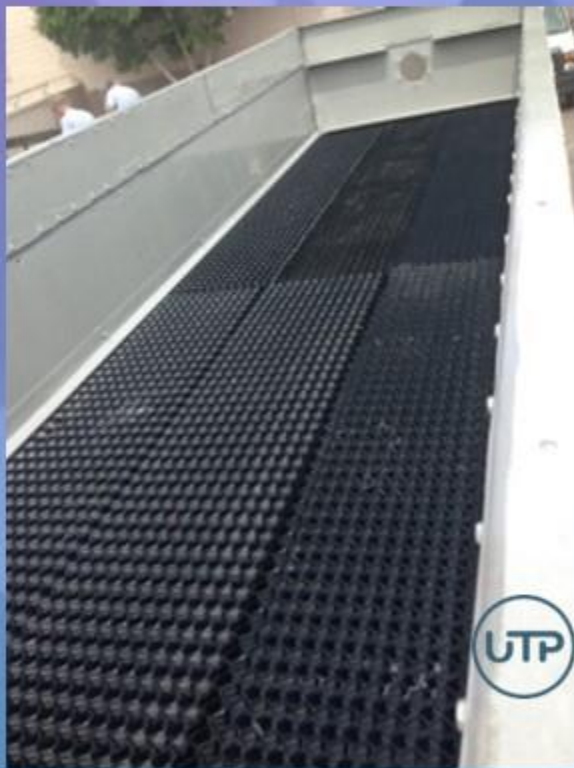


TOWER SHIELD COATING



- NO VOC coating
- Apply with BRUSH and ROLLER
- SHORT CURE-TIME
- PRE-MEASURED MIX

- COOLING TOWERS
- CONDENSATION PANS
- EVAPORATIVE COOLERS



The Importance of Cooling Tower Protective Coatings

Cooling tower protective coatings are indispensable for maintaining the efficiency, durability, and safety of these critical systems. By shielding against corrosion, scaling, biological growth, and weathering, they ensure that cooling towers perform optimally and cost-effectively over time. Selecting the right type of coating and adhering to proper application and maintenance practices can significantly extend the lifespan of cooling towers while supporting environmental sustainability.

For industries and facilities reliant on cooling towers, investing in protective coatings is not just a matter of convenience but a strategic decision to safeguard operations, reduce costs, and promote long-term reliability.

Ease of Maintenance

A well-coated cooling tower is easier to clean and maintain. Protective coatings reduce the adherence of dirt, scale, and biological matter, simplifying routine maintenance tasks and minimizing downtime.

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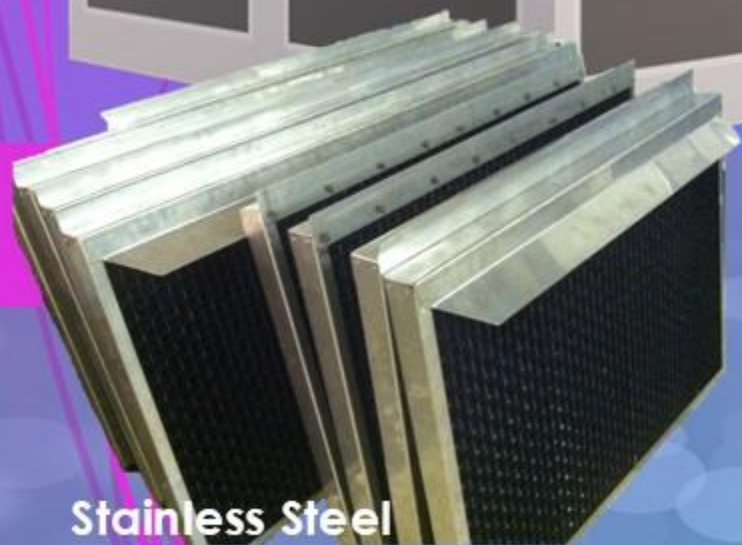
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Cooling Tower Air Inlet Louvers

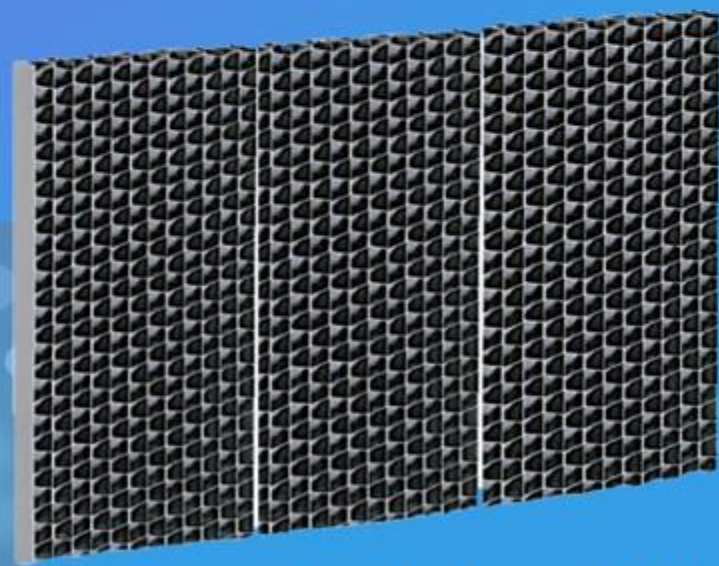
- Galvanized Framed
- Stainless Steel Framed
- PVC Framed
- Loose Insert Material
- Bonded, 1-piece Units to Fit Existing Frames



**Stainless Steel
Galvanized Steel Frames**



PVC Framed



**One Piece, Bonded Insert Units
To Fit Existing Frames**



The Benefits of Clean Air Inlet Louver Panels

1. Enhanced Operational Efficiency

By ensuring a consistent and controlled airflow, louver panels allow the cooling tower to operate at peak efficiency. This results in better heat dissipation, reduced energy consumption, and lower operational costs.

2. Water Conservation

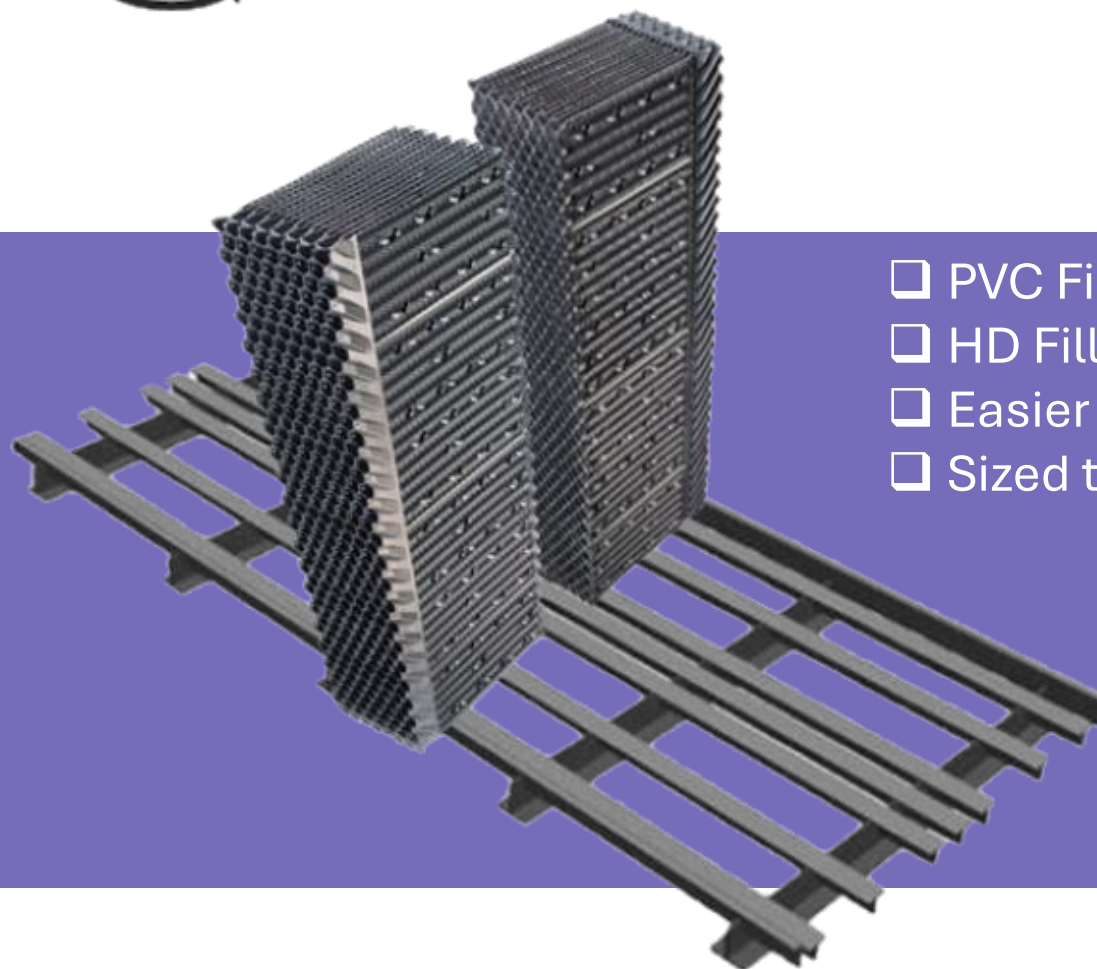
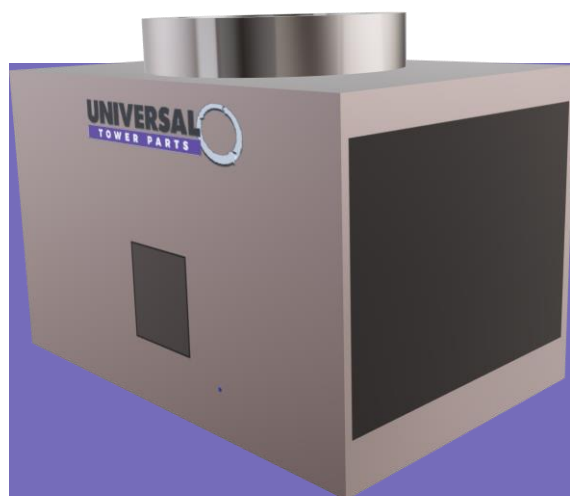
Minimizing water splash-out not only conserves water but also reduces the need for frequent refilling. This is particularly important in regions where water resources are scarce or heavily regulated.



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Cross Flow Fill Media Kits



- ☐ PVC Fill Kit
- ☐ HD Fill Support Base
- ☐ Easier Installation
- ☐ Sized to Fit your Tower Model

XF75Pro

XF75 Crossflow fill improves air and water management over first-generation crossflow film fills, enhancing thermal performance by up to 10%. A new flute structure reduces pressure drop to improve thermal capability, and the enhanced structural design provides increased vertical pack strength, allowing for optimum product weight-to-height ratios. Herringbone fills with integrated inlet louvers (XF75 IL) and drift eliminators (XF75 ID) complete this efficient, high-performance, crossflow

Why Clean Fill Media Matters



1. Enhanced Heat Transfer Efficiency

The main purpose of the fill media is to enable optimal heat exchange. When the fill media is clean, water spreads evenly across the surface, maximizing contact with air. Dirt, debris, and biological growth can obstruct this process, reducing the cooling capacity and causing the system to work harder to achieve desired temperatures.

2. Prevention of Biofilm and Scaling

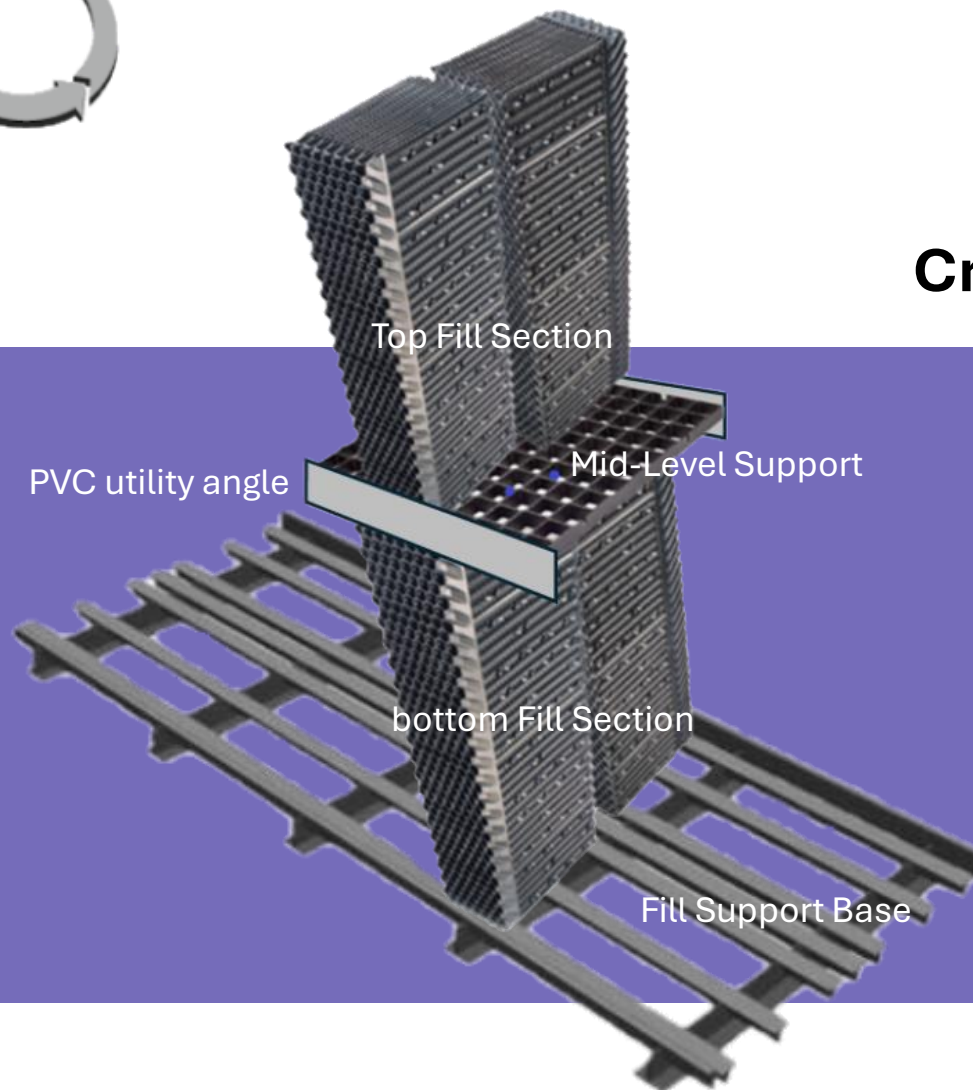
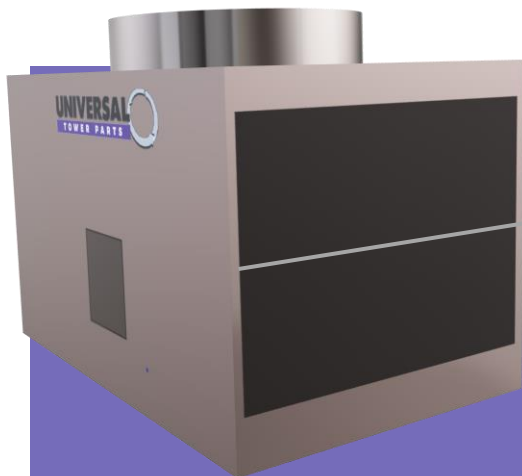
A significant threat to cooling tower performance is the accumulation of biofilm and scale on the fill media. Biofilm, a slimy layer formed by microorganisms, can lead to blockages and harbor harmful bacteria such as Legionella. Scaling, caused by mineral deposits, further reduces the efficiency of heat transfer. Regular cleaning prevents these issues, ensuring a safer and more efficient operation.

3. Lower Energy Consumption

Dirty fill media forces the cooling tower and associated systems to consume more energy to maintain performance. Clean fill media reduces the load on pumps and fans, resulting in lower energy consumption and operational costs. This is particularly critical in large-scale industrial operations where energy efficiency translates directly to profitability.

4. Extended Equipment Lifespan

Accumulated debris and contaminants can lead to uneven water flow, corrosion, and structural degradation of the fill media. Over time, this can compromise the cooling tower's integrity and lead to costly repairs or replacements. Clean fill media safeguards the equipment, extending its useful life and reducing maintenance expenses.



Two Tiered Cross Flow Fill Kit

- ☐ PVC Fill Kit
- ☐ HD Fill Support Base
- ☐ Accu-Grid Mid-Level Support
- ☐ Utility Angles
- ☐ Easier Installation
- ☐ Sized to Fit your Tower Model

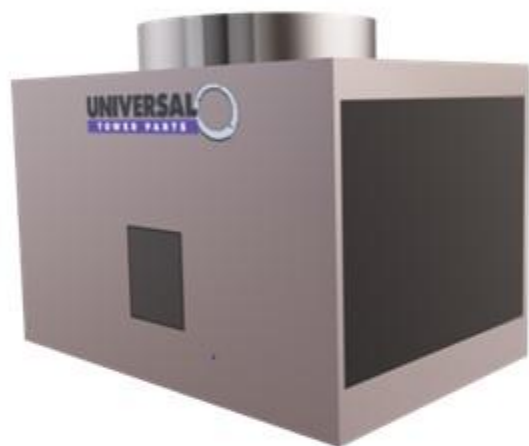
XF75Pro

XF75 Crossflow fill improves air and water management over first-generation crossflow film fills, enhancing thermal performance by up to 10%. A new flute structure reduces pressure drop to improve thermal capability, and the enhanced structural design provides increased vertical pack strength, allowing for optimum product weight-to-height ratios. Herringbone fills with integrated inlet louvers (XF75 IL) and drift eliminators (XF75 ID) complete this efficient, high-performance, crossflow



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Cooling Tower **Fill Support Base**



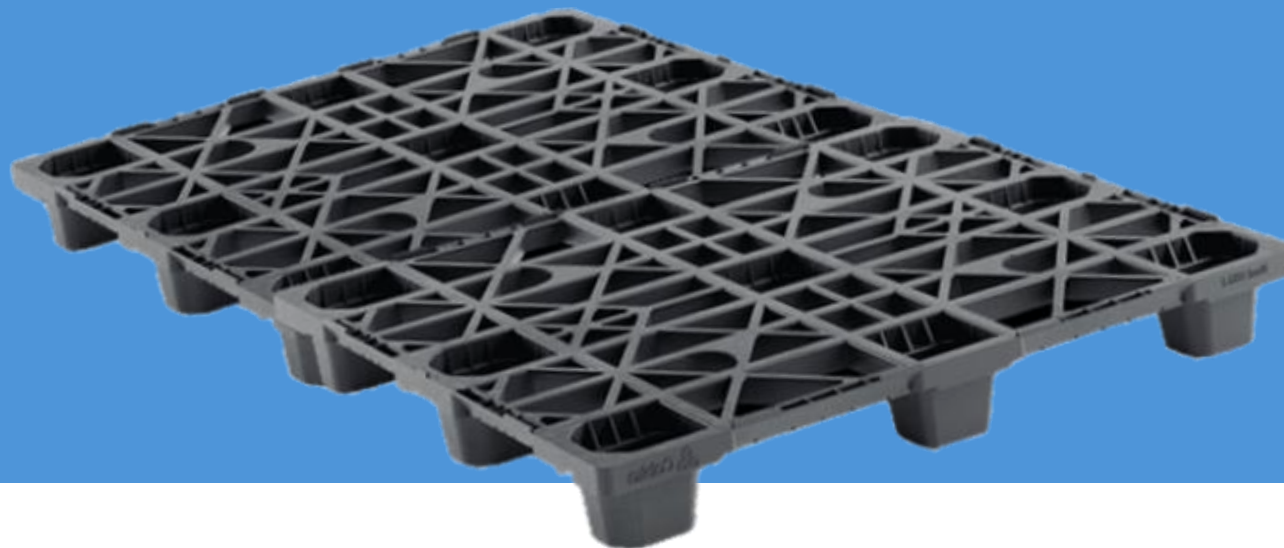
Benefits

- Bottom-supported systems provide durability & ease of installation
- Variety of sizes & configurations to fit each tower
- Maximum weight distribution over increased surface area
- No hardware required
- Elevates Fill Media 5" above the basin floors providing flow-thru performance & easy cleaning
- Extruded Heavy Duty Construction, Pre-Cut snap together assembly



Cooling Tower **Fill Support Base**

Phase2 Economical Strength and Durability



Benefits

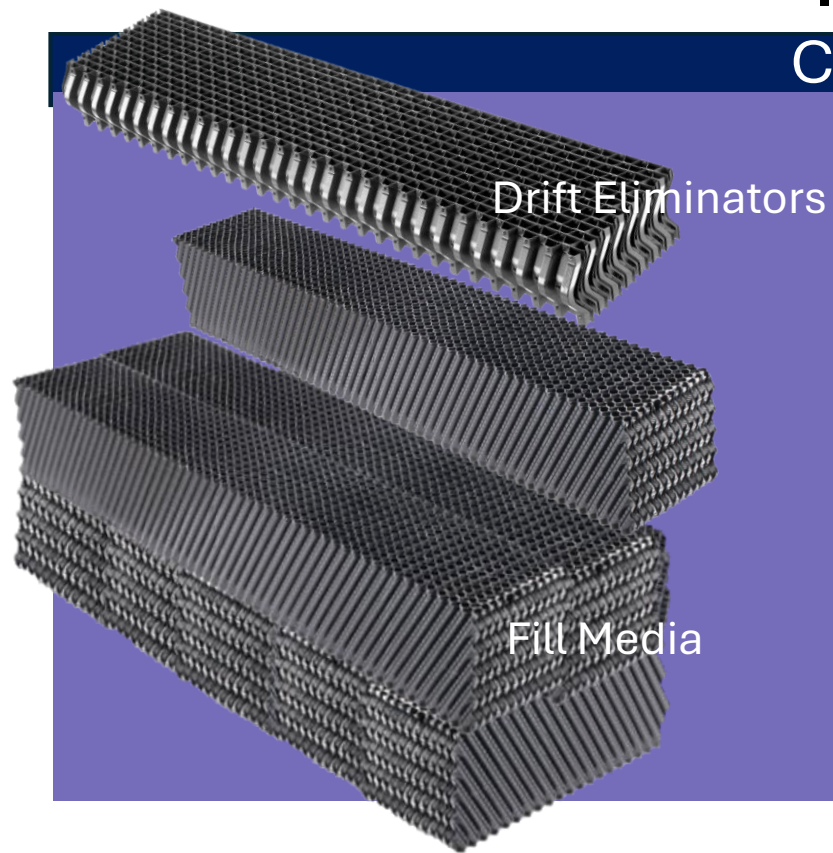
- Bottom-supported systems provide durability & ease of installation
- Variety of sizes & configurations to fit each tower
- Maximum weight distribution over increased surface area
- No hardware required
- Elevates Fill Media 5" above the basin floors providing flow-thru performance & easy cleaning
- Molded Heavy Duty Construction, Pre-Cut drop-in assembly



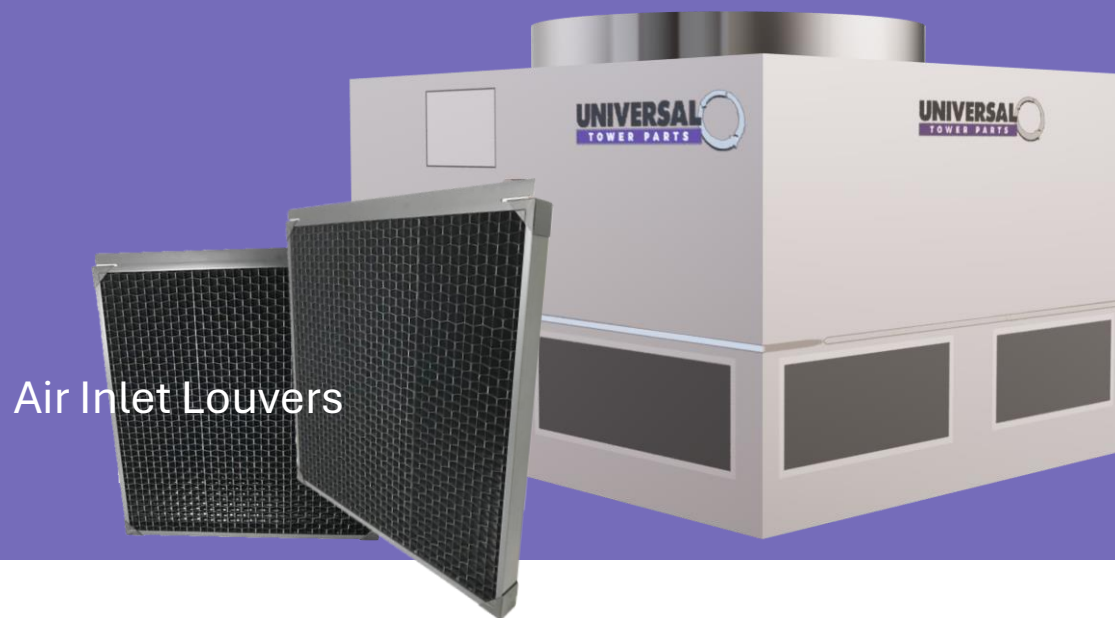
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Induced Draft Kits Counter Flow Towers



All Materials are Sized to Fit your Tower Model



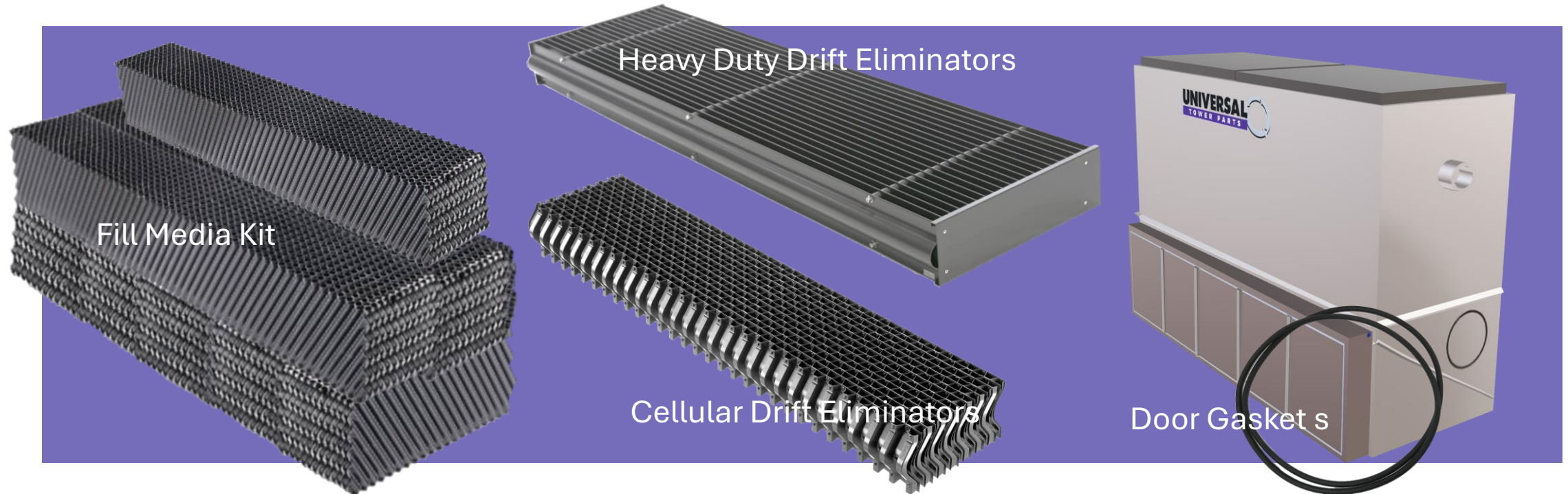
Thermal Components

Cross-fluted designs provide high thermal performance and have alternating fill sheets, allowing for excellent lateral water dispersion. High thermal performance is achieved by utilizing the engineered microstructure design and maintaining the highest manufacturing standards



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Forced Draft Kits Counter Flow Towers



All Materials are Sized to Fit your Tower Model
Thermal Components

Cross-fluted designs provide high thermal performance and have alternating fill sheets, allowing for excellent lateral water dispersion. High thermal performance is achieved by utilizing the engineered microstructure design and maintaining the highest manufacturing standards

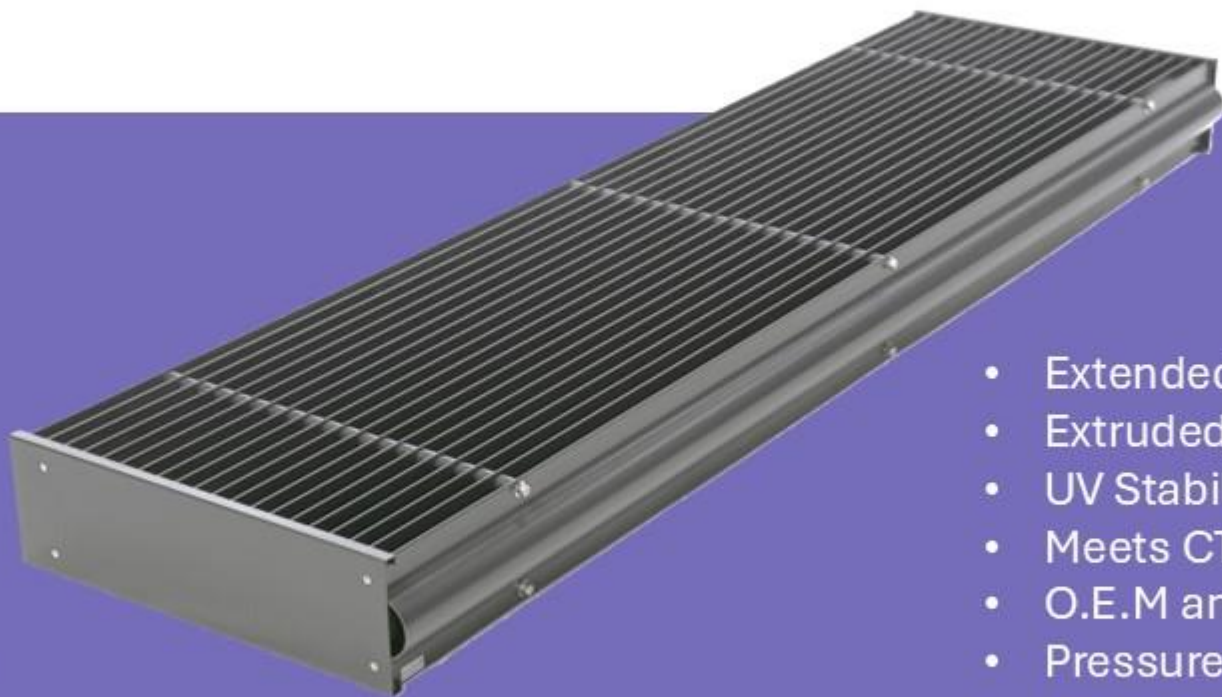


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Heavy Duty Drift Eliminators

- ☐ Cooling Towers
- ☐ Evaporative Condensers
- ☐ Fluid Coolers
- ☐ Industrial Refrigeration



- Extended Durable Service Life.
- Extruded P.V.C. Construction
- UV Stabilized
- Meets CTI Standard 136
- O.E.M and Custom Sizes
- Pressure Wash.
- Walk-on.
- Chemical Resistant



Other Product available from Universal Tower Parts:

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Fill Media Kits | <input type="checkbox"/> Float Assemblies | <input type="checkbox"/> Grommets | <input type="checkbox"/> Bearing / Shafts |
| <input type="checkbox"/> Air Inlet Louvers | <input type="checkbox"/> Spray Nozzles | <input type="checkbox"/> Tower Shield Coating | <input type="checkbox"/> Fans |



The Importance of Cooling Tower Drift Eliminators



A vital part of maintaining the efficiency and safety of cooling towers is the inclusion of **drift eliminators**. These devices, though seemingly simple, have a profound impact on the overall performance of cooling towers.

Preventing Water Loss

One of the primary purposes of drift eliminators is to reduce water loss from the cooling tower. Without these devices, significant amounts of water could escape as fine droplets, leading to frequent refilling and increased operational costs. By capturing and redirecting the drifting water back into the system, drift eliminators help conserve water, aligning with sustainability goals and reducing expenses.

Types of Drift Eliminators

Drift eliminators come in a variety of designs, each tailored to meet specific system requirements and performance goals. Common types include:

- **Blade-Type Eliminators:** These consist of curved or angled blades that force air to change direction multiple times, causing droplets to collide with the blades and coalesce, eventually returning to the water basin.
- **Cellular Drift Eliminators:** These have a honeycomb-like structure and offer superior efficiency by providing a large surface area for capturing water droplets.

Heavy Duty Drift Eliminators: An Overview

Heavy-duty drift eliminators are specifically engineered for use in cooling towers subjected to high-volume and high-intensity operations. These components are tougher, more durable, and capable of handling greater strain compared to standard Thermoformed drift eliminators. Heavy Duty Drift Eliminators are typically made from materials such as Extruded PVC (polyvinyl chloride) with stainless steel connecting components which ensure resilience against corrosion, thermal stress, pressure cleaning and chemical / UV exposure.

Durability and Low Maintenance

Constructed from high-grade materials, these eliminators require minimal maintenance and offer a long service life, reducing downtime and replacement costs.

- Customizable Configurations: Available in various sizes and designs, heavy-duty drift eliminators can be tailored to meet specific cooling tower requirements.
- Ideal for **HVAC, Process Cooling** and **Industrial Refrigeration** Counter Flow applications.

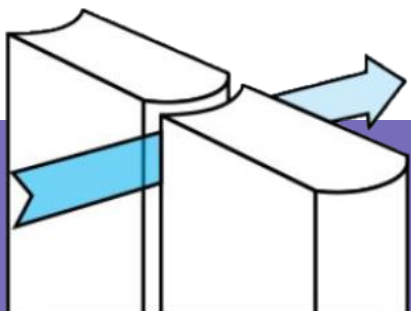


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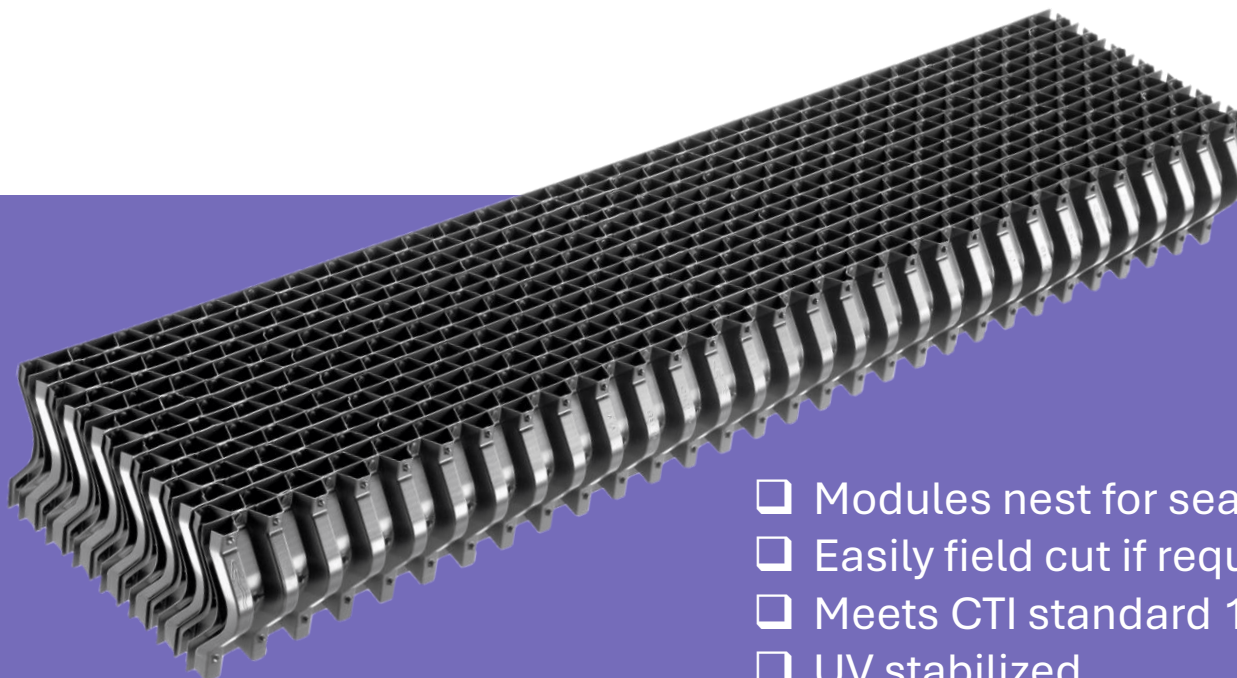
CF-80

Cellular Drift Eliminators



Nesting Design

Drift eliminator modules nest with adjoining modules, eliminating gaps between packs and providing seamless drift removal.



- ☐ Modules nest for seamless installation.
- ☐ Easily field cut if required.
- ☐ Meets CTI standard 136.
- ☐ UV stabilized.

The industry-standard CF80 offers **drift loss of 0.0005%**. It eliminates the need for double layers to achieve high drift removal efficiency and features beveled drainage tips to reduce pressure drop by up to 25%.

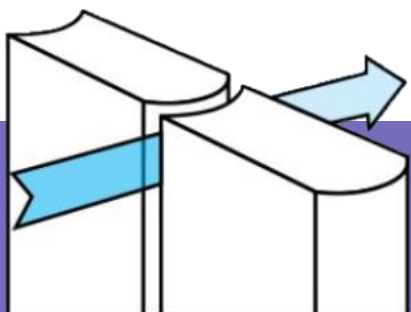
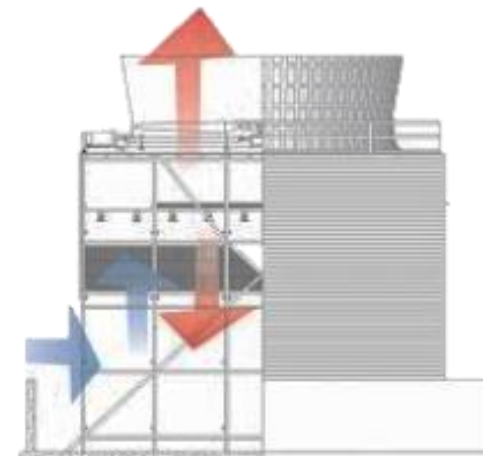


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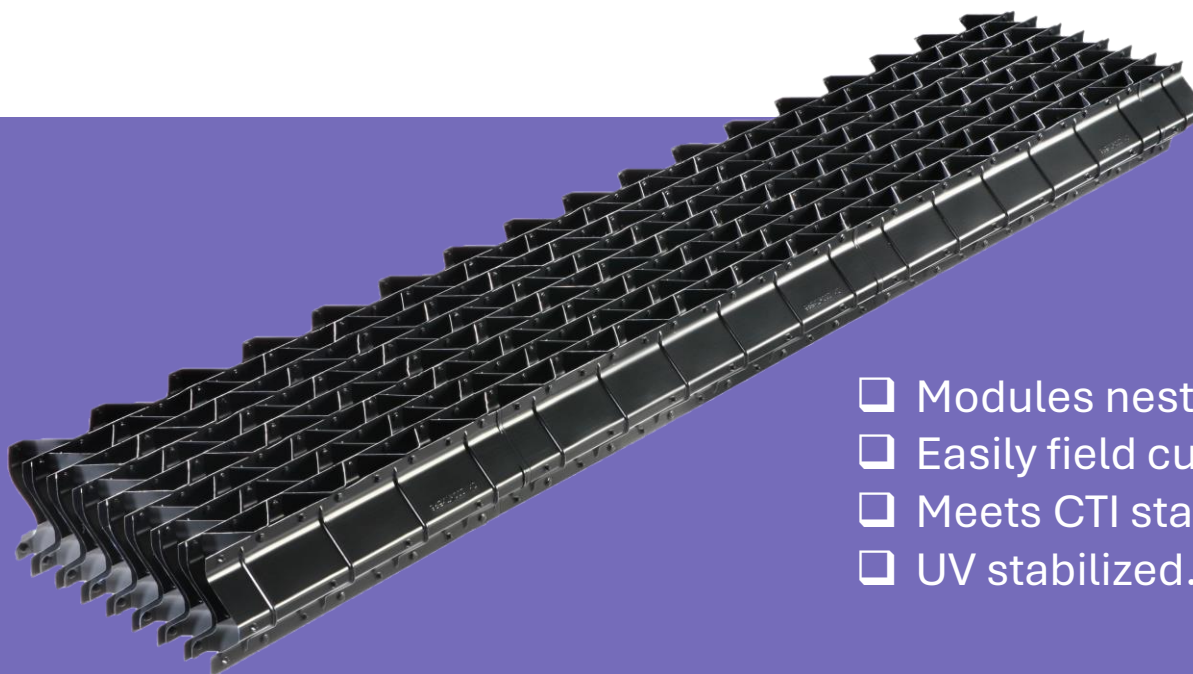
CF-150

Cellular Counter Flow Drift Eliminators



Nesting Design

Drift eliminator modules nest with adjoining modules, eliminating gaps between packs and providing seamless drift removal.



- ❑ Modules nest for seamless installation.
- ❑ Easily field cut if required.
- ❑ Meets CTI standard 136.
- ❑ UV stabilized.

The industry-standard CF150 offers **drift loss of 0.0001%**. It eliminates the need for double layers to achieve high drift removal efficiency and features beveled drainage tips to reduce pressure drop.



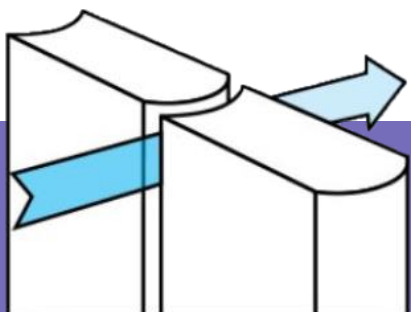
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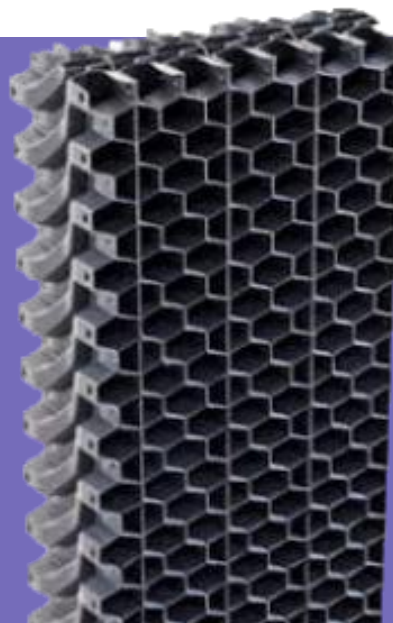
XF-80

Cellular Cross Flow Drift Eliminators



Nesting Design

Drift eliminator modules nest with adjoining modules, eliminating gaps between packs and providing seamless drift removal.



- ☐ High Efficiency / Low Drift Rate
- ☐ Modules nest for seamless installation.
- ☐ Cut to fit your application
- ☐ Easily field cut if required.
- ☐ Meets CTI standard 136.
- ☐ UV stabilized.

The industry-standard **XF80** offers **drift loss of 0.0005%**. It eliminates the need for double layers to achieve high drift removal efficiency and features beveled drainage tips to reduce pressure drop by up to 25%.



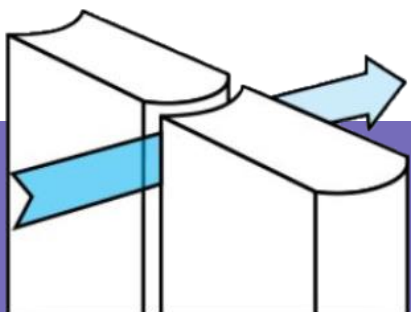
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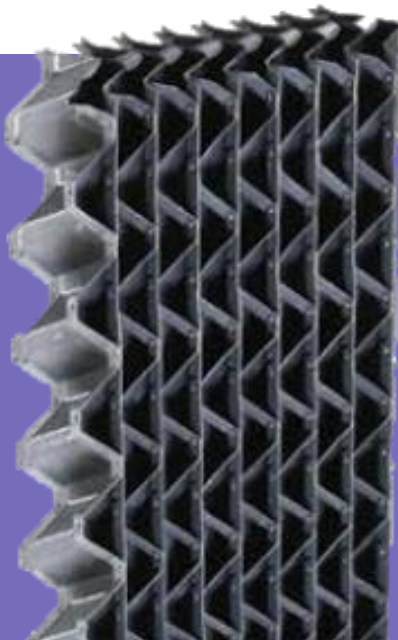
XF-150

Cellular Cross Flow Drift Eliminators



Nesting Design

Drift eliminator modules nest with adjoining modules, eliminating gaps between packs and providing seamless drift removal.



- ☐ High Efficiency / Low Drift Rate
- ☐ Modules nest for seamless installation.
- ☐ Cut to fit your application
- ☐ Easily field cut if required.
- ☐ Meets CTI standard 136.
- ☐ UV stabilized.

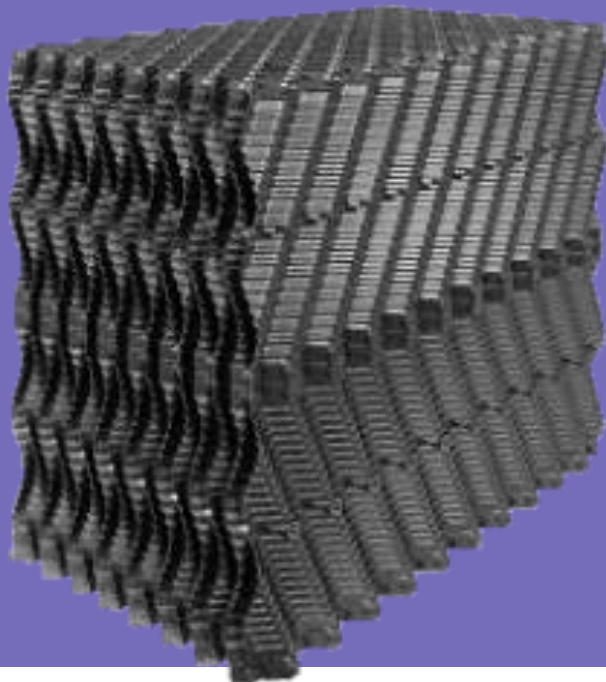
The industry-standard **XF150** offers **drift loss of 0.0001%**. It eliminates the need for double layers to achieve high drift removal efficiency and features beveled drainage tips to reduce pressure drop.



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ThermaCross Counter Flow **Fill Media** Kits



- ☐ Balances Thermal Performance and Pressure Drop better than existing Fill Media.
- ☐ Micro Boost Design
- ☐ Less Clogging than existing Fill Media
- ☐ HVAC, District Cooling and Treated Industrial Process Applications

Efficiency



Fouling Resistance



ThermaCross is a *drop-in upgrade* for standard 19mm-spaced, cross-fluted fills. When engineering the product, patented MicroBoost™ design to maximize the air-water interface for increased thermal capacity and utilized a more vertical macrostructure for improved fouling resistance.

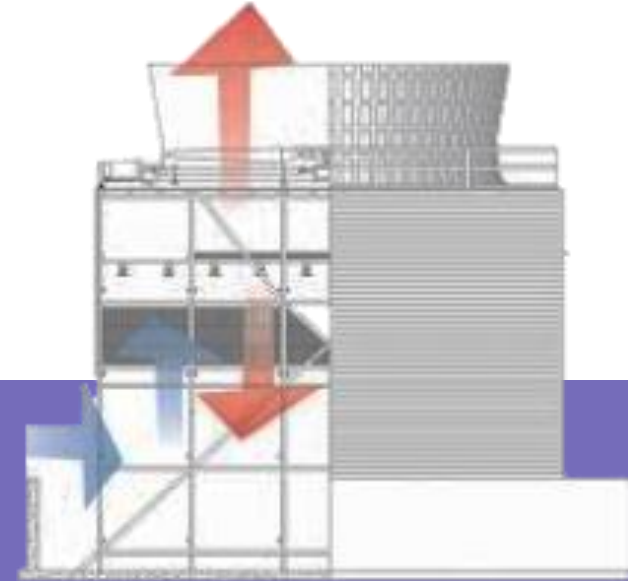
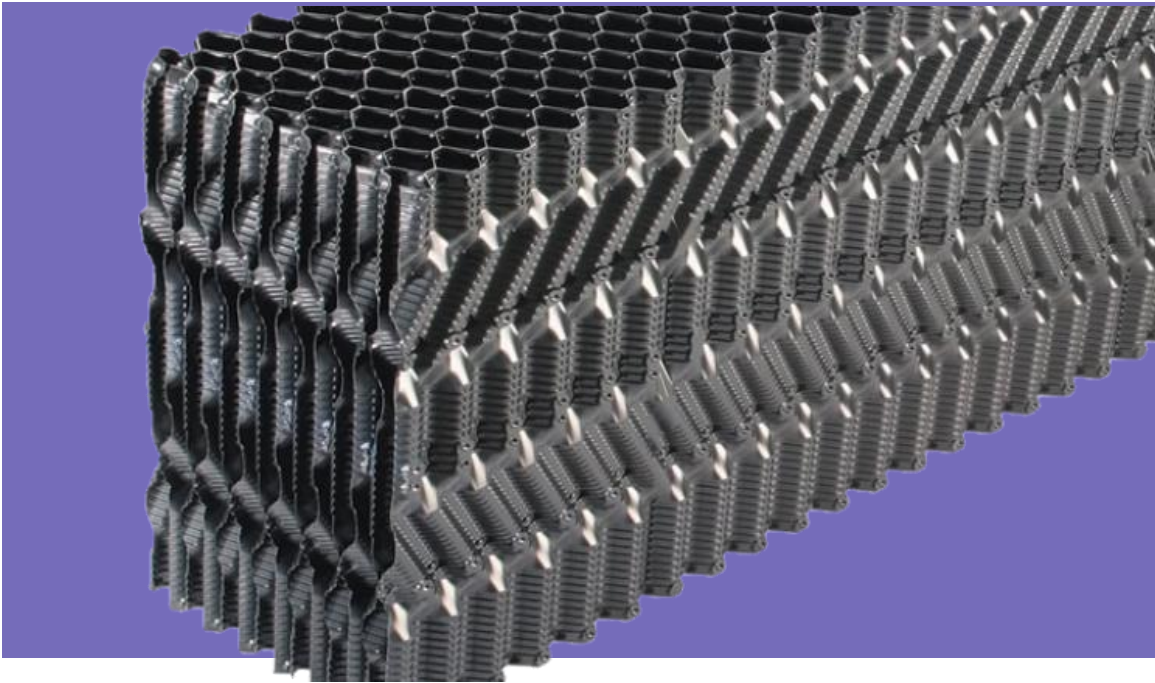
These design features enable **ThermaCross** to perform up to **7% better** than standard 19mm-spaced products, even matching the performance of 12mm-spaced high efficiency fills at higher fill heights



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Low Fouling **Fill Media**



OF21MA

❑ Low Fouling Fill Media
Where water **contains moderate**
level of **suspended solids**

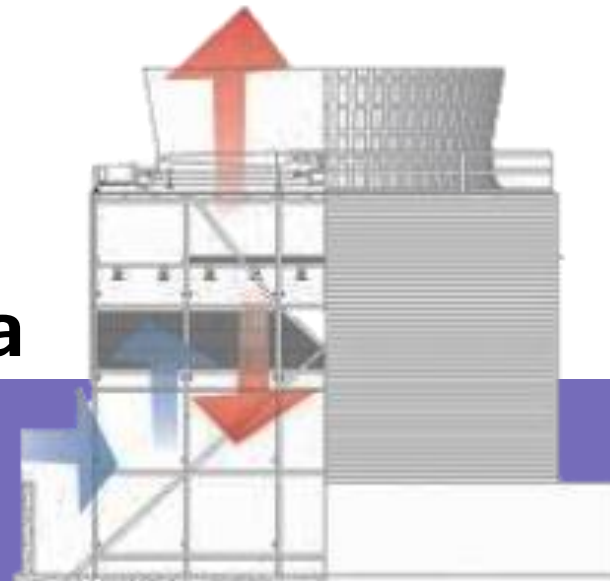
Offset-Fluted Fills combine the **low-fouling characteristics** of vertical flow with the enhanced water distribution of cross-fluted designs. **OF21MA's** design yields comparable thermal performance to CF1900 but with lower potential for fouling at a lower cost. It is generally used in field-erected and factory-assembled installations for applications where water contains a moderate level of total suspended solids



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Shockwave Hybrid **Fill Media**



Designed for **Petrochem**
Applications

Efficiency



Fouling Resistance



Shockwave Media

- ☐ Low Fouling Fill Media
- Better Fouling Resistance**
- ☐ Better Performance

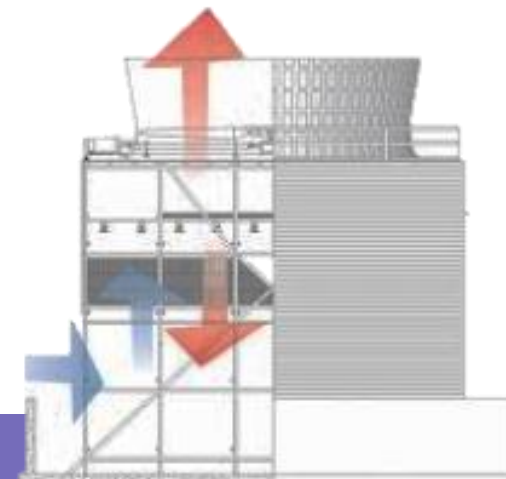
Hybrid-Fluted Fills

Hybrid-fluted fills are a thermally engineered advancement to standard vertical-fluted products with the performance of high-efficiency fills. Their design features promote mixing of the air as it moves through the pack, maximizing evaporative heat transfer and exceeding the performance of cross-fluted fills, while incorporating the fouling resistance of vertical-fluted products.

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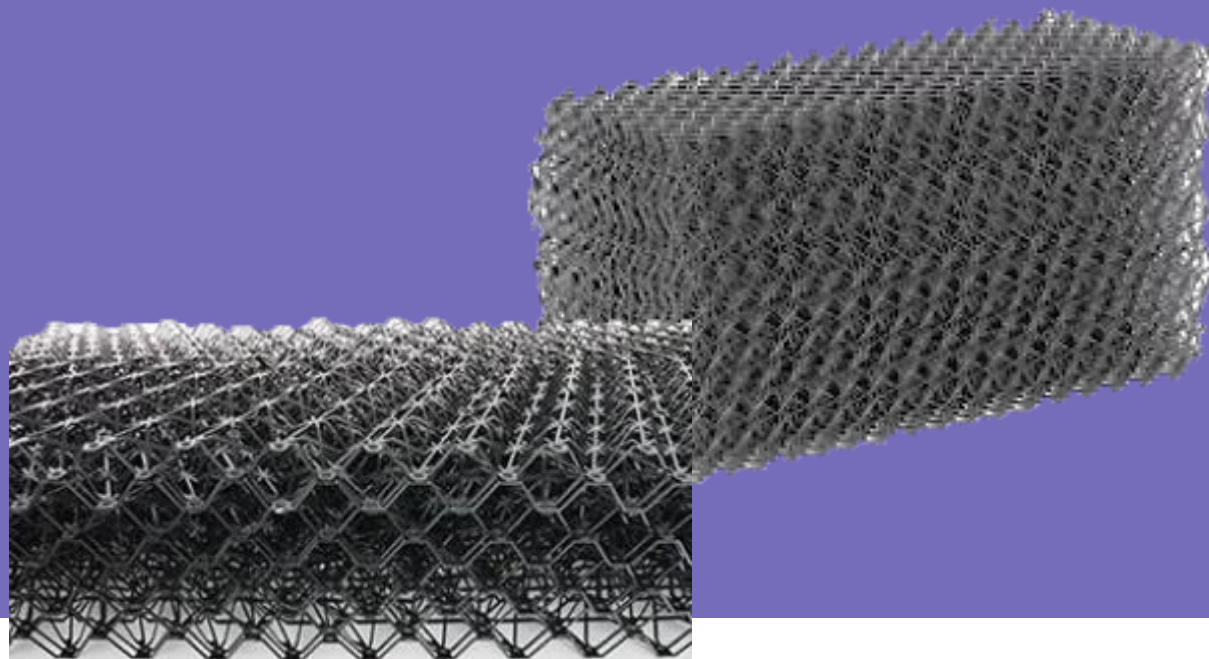
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TRICKLE Fill Media



HTP20

☐ Low Fouling Fill Media
FOR **HIGH WATER SOLIDS** and **High-Scale** Potential



HTP20 Cross-Fluted Trickle Fill is designed for use in applications where the circulating water has high levels of solids, such as in river or seawater applications, as well as waters with high-scale potential. It also performs well in towers that experience high sand



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Efficiency



Fouling Resistance



CF-1200

Counter Flow Fill Packs



Forced Draft

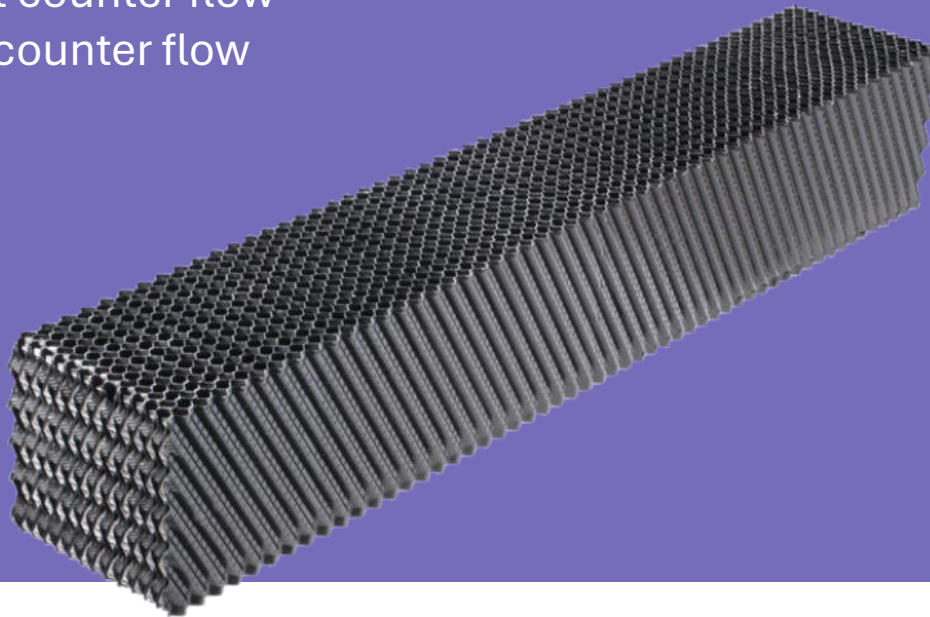
Induced Draft

Made for use with:

- ☐ Induced Draft counter flow
- ☐ Forced Draft counter flow

Common Use with:

EVAPCO
BAC
MARLEY
AEC
Thermacare
REYMSA
Tower Tech
IMECO



MATERIAL	HEAT DEFLECTION TEMPERATURE PER ASTM-D648	MAXIMUM CONTINUOUS OPERATING TEMPERATURE ¹ Fills in Counterflow Orientation
PVC	160°F @ 264 psi (71°C @ 1820 kPa)	140°F (60°C)
HPVC	175°F @ 264 psi (79°C @ 1820 kPa)	150°F (66°C)
Polypropylene (MA Products Only)	225°F @ 66psi (107°C @ 455 kPa)	175°F (80°C)
Stainless Steel (see note below)	N/A	500°F (260°C)

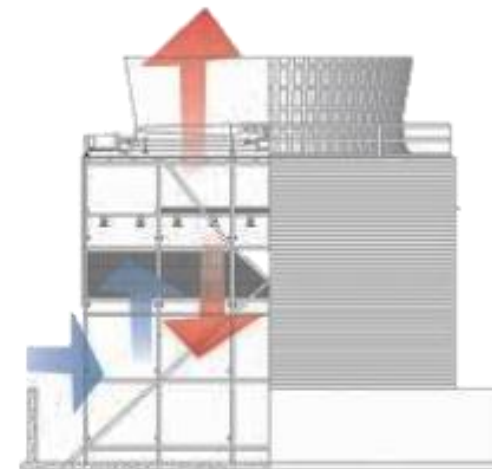
Thermal Components

Cross-fluted designs provide high thermal performance and have alternating fill sheets, allowing for excellent lateral water dispersion. High thermal performance is achieved by utilizing the engineered microstructure design and maintaining the highest manufacturing standards

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CF-1900 Counter Flow Fill Packs



Made for use with:

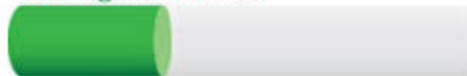
- ☐ Induced Draft counter flow
- ☐ Forced Draft counter flow



Efficiency



Fouling Resistance



MATERIAL	HEAT DEFLECTION TEMPERATURE PER ASTM-D648	MAXIMUM CONTINUOUS OPERATING TEMPERATURE ¹ Fills in Counterflow Orientation
PVC	160°F @ 264 psi (71°C @ 1820 kPa)	140°F (60°C)
HPVC	175°F @ 264 psi (79°C @ 1820 kPa)	150°F (66°C)
Polypropylene (MA Products Only)	225°F @ 66psi (107°C @ 455 kPa)	175°F (80°C)
Stainless Steel (see note below)	N/A	500°F (260°C)

CF1900 is a popular choice for **field-erected** or factory assembled counterflow towers and can also be used in crossflow towers. It is predominantly used in HVAC and light industrial applications where the water contains low levels of total suspended solids.



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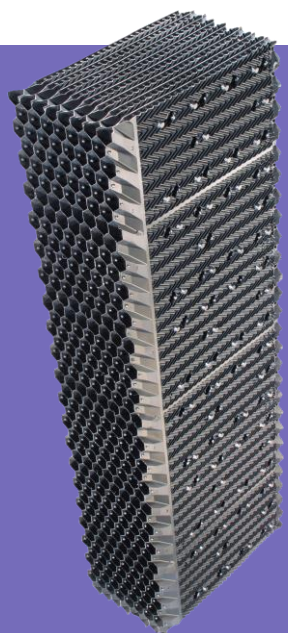
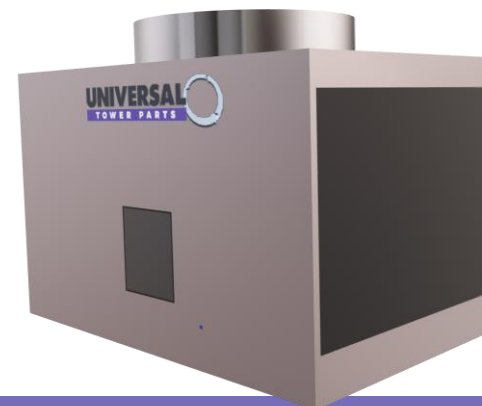
XF-75

Cross Flow Fill Packs

Efficiency

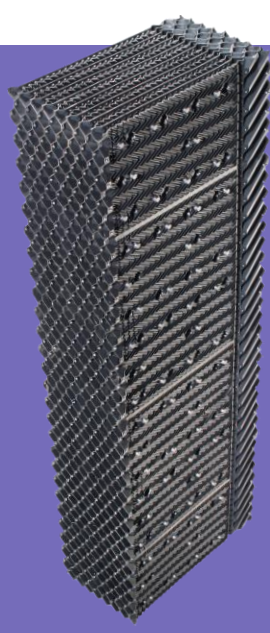


Fouling Resistance



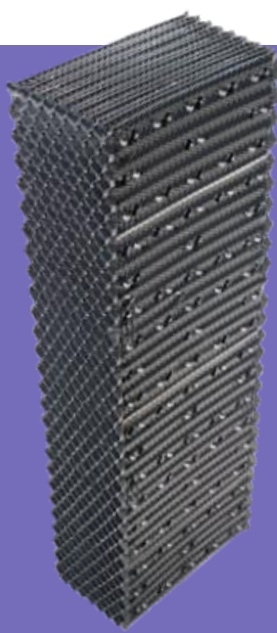
XF-75IL

INTEGRAL LOUVER FLUTES



XF-75ID

INTEGRAL ELIMINATOR FLUTES



XF-75

NO INTEGRAL FLUTES

MATERIAL	HEAT DEFLECTION TEMPERATURE PER ASTM-D648	MAXIMUM CONTINUOUS OPERATING TEMPERATURE ¹ Fills in Counterflow Orientation	MAXIMUM CONTINUOUS OPERATING TEMPERATURE ² Fills in Crossflow Orientation
PVC	160°F @ 264 psi (71°C @ 1820 kPa)	140°F (60°C)	120°F (49°C)
HPVC	175°F @ 264 psi (79°C @ 1820 kPa)	150°F (66°C)	130°F (54°C)
Polypropylene (MA Products Only)	225°F @ 66psi (107°C @ 455 kPa)	175°F (80°C)	150°F (66°C)
Stainless Steel (see note below)	N/A	500°F (260°C)	500°F (260°C)

Crossflow film fills, enhancing thermal performance by up to 10%. A new flute structure reduces pressure drop to improve thermal capability, and the enhanced structural design provides increased vertical pack strength, allowing for optimum product weight-to-height ratios. Herringbone fills with integrated inlet louvers (XF7 IL) and drift eliminators (XF75 ID) complete this efficient, high-performance, crossflow media system.



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Evaporative Cooler Media

Ridged Media

- ☐ Custom Sizing / Cut to Fit
- ☐ Stock Sizes
- ☐ Evaporative Media
- ☐ Distribution Pads
- ☐ We Stock, Cut and Ship
- ☐ Will Call available

- **Commercial / Industrial** – Evaporative Cooling Systems, Precoolers, Humidification, Cooling Towers
- **Greenhouse** – Space Cooling
- **Agriculture** – Hog, Poultry, Egg Houses, Dairy



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Applying: **V570** and **V4138** is normally applied with a roller, although a brush may be used for areas difficult to reach. It may be applied to vertical, slanted, round or uneven surfaces. It also may be applied to the under side of pipes, ducts or other such surfaces.

Metal resurfacing and preparation



V570

☐ Resurfaces Vertical and Curved Metal



V4138

☐ Fire Rated

☐ Resurfaces Vertical and Curved Metal

V570 and **V4138** are a vertical resurfacer used to fill cracks, refurbish, stop corrosion and provide a durable base for Pancrete.



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PANCRETE

PANCRETE – SURFACE PREPARATION PRE-TREATMENT



Clean Bond

- ☐ Powerhouse Cleaner
- ☐ Flash and Rust Inhibitor

Cleaner and degreaser, a powerful adhesive and bonding agent (in case you're installing our products Pancrete and V570 or V148)



Resurface and Restore
Rusted and Corroded
Condensation Pans



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PANGUARD / ALGAE GUARD – CLEAN and PROTECT TREATMENT

PanGuard

Time Released Condensate Pan Cleaner



HVAC

MAINTENANCE
PRODUCTS



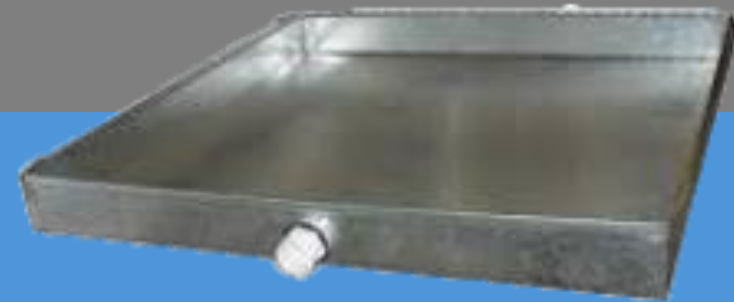
Algae Guard

Controlled Release Micro-Biocide



HVAC

MAINTENANCE
PRODUCTS



Promotes Keeping your condensation
pan and drain line clean.



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ALL PURPOSE COIL CLEANER



Instant Powder Kegs All Purpose HVAC Coil Cleaner

This product is very easy to use, just add the powder bags to water in a spray bottle and your ready to clean any type of coil