

ACCUPAC®

FILM FILL MEDIA

VF19 PLUS

CF1200 BT

CF650

VERTICAL FLOW

CROSS-FLUTED

VF3800

CFS3000

CF1900/CF1900 MA

OF21 MA

XF75 ID

OFFSET VERTICAL

CROSS FLOW "HERRINGBONE"

XF75

AccuPac® Film Fill Media

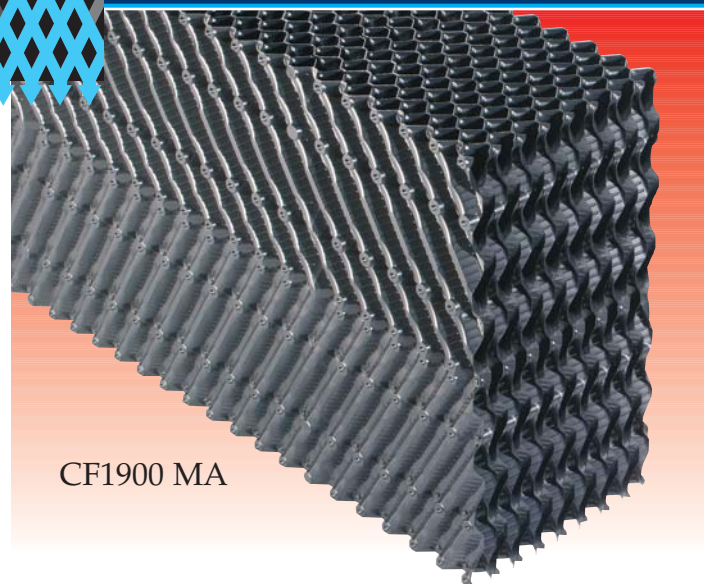
Cooling tower fills of the highest thermal performance and product quality in a broad selection of sheet spacings, flute designs, sheet thicknesses, and plastic compositions.

XF75 IL

 **BRENTWOOD**
INDUSTRIES



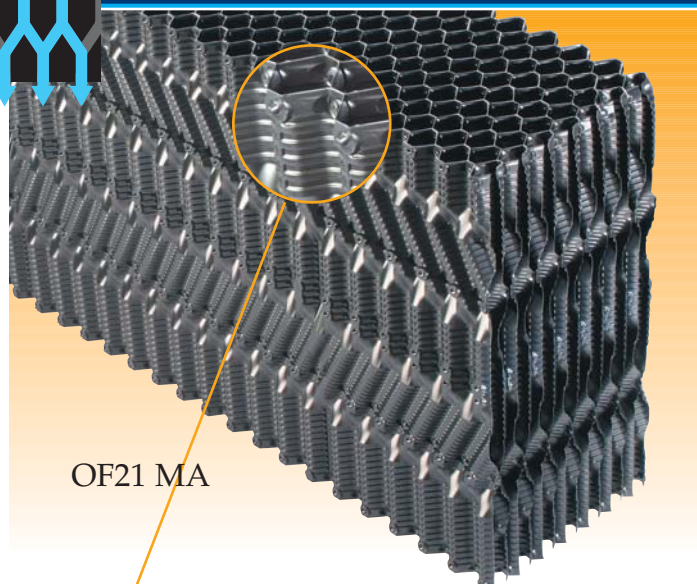
CROSS-FLUTED



CF1900 MA



OFFSET VERTICAL



OF21 MA

AccuPac® Cross-Fluted Fills improve water distribution by splitting the water stream as it descends through the fill pack. Brentwood's CF1900/CF1900 MA design splits the water stream 8 times in a 12" (305 mm) vertical path. High thermal performance (high KaV/L) and low pressure drop are achieved through engineered flute/microstructure design and the highest manufacturing standards.

AccuPac® Offset Vertical Fill combines the low-fouling characteristics of vertical flow with the enhanced water distribution of our cross-fluted designs. The OF21 MA's high KaV/L thermal performance and low pressure drop are similar to the CF1900/CF1900 MA design, but with lower potential for fouling.

FEATURES & BENEFITS

- Bonded edge with dedicated bond points for added durability
- Engineered microstructure for improved water distribution and thermal mixing
- High thermal performance
- Improved water distribution
- Proprietary edge cutting technology produces square packs that efficiently direct water to both sides of sheet
- Material meets Cooling Tower Institute (CTI) Standard 136 (see back page)

APPLICATIONS

CF650: For scrubbers; oil/water separators; small biofilters; specialty applications.

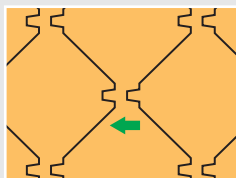
CF1200 BT: For use in package counterflow towers (HVAC and general industrial applications) and as a distribution pad in 3.94" (100 mm) and 5.90" (150 mm) depths. Beveled Tips feature eliminates flooding at fill pack interfaces.

CF1900 & CF1900 MA (Mechanical Assembly): The popular choice for field-erected or package counterflow cooling towers. Can also be used in crossflow towers. For use in Power, Refining, Chemical, Steel, and Food Processing applications where water quality is "good".

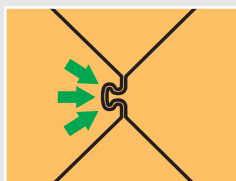
CFS3000: For the same applications as the CF1900 & CF1900 MA, but the CFS3000's larger channels decrease fouling potential in lower-quality water.

"MA" Technology

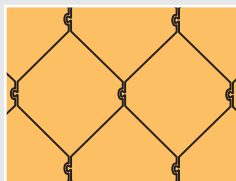
PAT. NOS. 6,544,628 and 6,640,427
U.S. AND INT'L PATENTS



Male/Female attachment tabs align with and nest into the adjoining sheet's tabs.



Attachment tabs are pressure-sealed ...



... creating a strong, permanent bond without glue, solvents, or adhesives!

FEATURES & BENEFITS

- High thermal performance.
- Lower fouling potential.
- Bonded edge with dedicated bond points for added durability
- Adhesive-free Mechanical Assembly (MA) technology is environmentally-friendly and allows fill packs to be assembled on-site without glue
- Proprietary edge cutting technology produces square packs that efficiently direct water to both sides of sheet
- Material meets Cooling Tower Institute (CTI) Standard 136 (see back page)

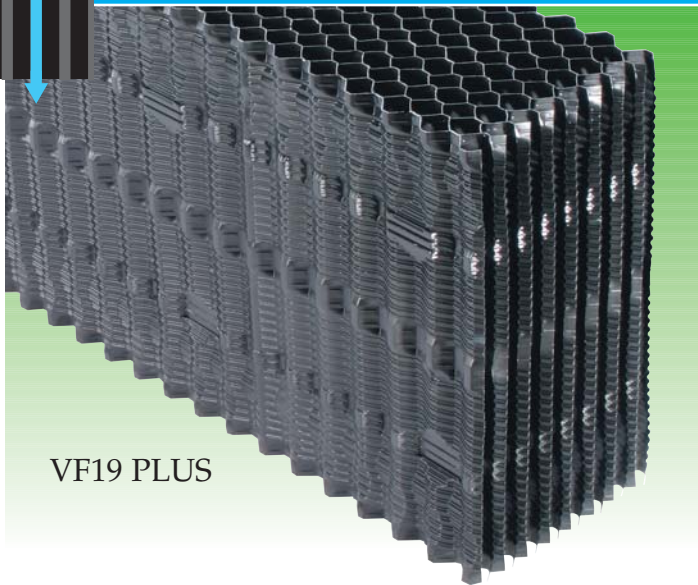
APPLICATIONS

OF21 MA: For use in counterflow cooling towers (field-erected and package installations) in Power, Refining, Chemical, Steel, and Food Processing applications where water quality is "average". (See Brentwood Fill Selection/Water Quality Table)

TECHNICAL SUPPORT

Thermal (KaV/L) Curves and Pressure Drop Curves are available for all Brentwood Film Fill Media to assist in selecting the appropriate fill capacity for your design. Other Brentwood technical assistance includes Installation Recommendations, Product Selection for Specific Water Quality, Thermal Ratings, and Product Storage Recommendations.

VERTICAL FLOW

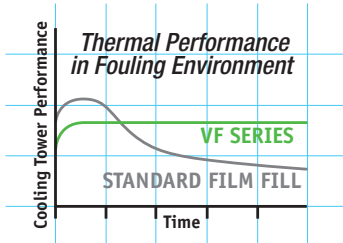


VF19 PLUS

AccuPac® Vertical Flow Fills feature vertical flow channels with large openings that produce the higher water velocities necessary to create an anti-fouling environment in the fill. In the VF19 PLUS we've added an engineered microstructure to the flutes to improve water distribution and thermal mixing.

FEATURES & BENEFITS

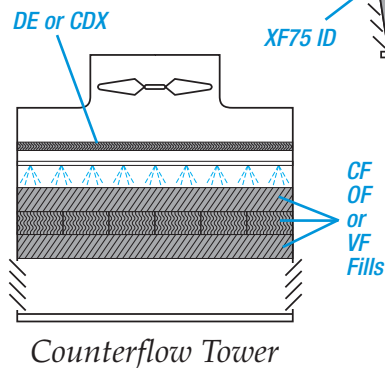
- Anti-fouling design
- Bonded edge with dedicated bond points for added durability
- Proprietary edge cutting technology produces square packs that efficiently direct water to both sides of sheet
- Material meets Cooling Tower Institute (CTI) Standard 136 (see back page)



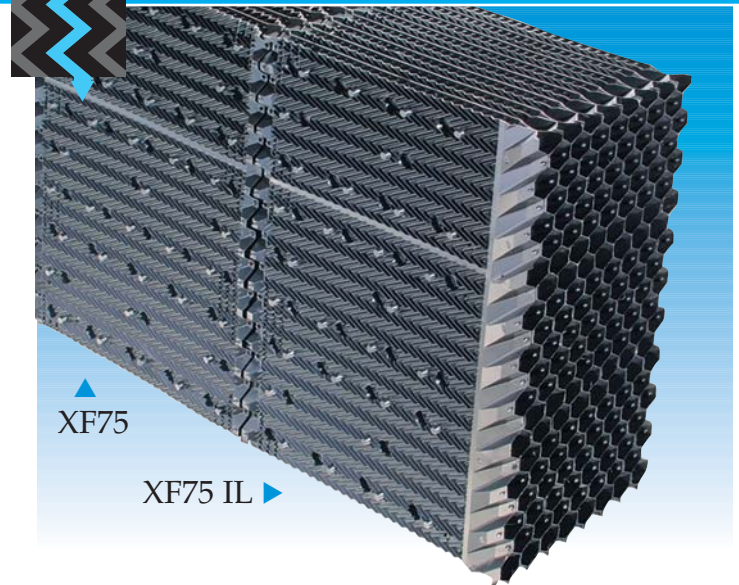
APPLICATIONS

VF19 PLUS: For use in counterflow cooling towers where water quality is "poor" (poor make-up water or process contamination). Typical applications are Power, Refining, Chemical, Mining, and Food Processing. Because a cooling tower spray system's washing effect reduces the fouling potential of the top 12" (300 mm) of fills, a top layer of OF21 MA or CF1900/CF1900 MA should be considered to improve overall performance.

VF3800: For the same counterflow applications as the VF19 PLUS, the VF3800 has larger, 38 mm flute openings and no microstructure, for conditions where the fouling potential is greater.



CROSS FLOW "HERRINGBONE"



XF75

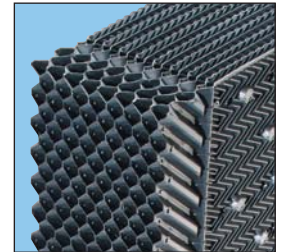
XF75 IL ▶

AccuPac® Cross Flow "Herringbone" Fill uses a "herringbone" surface design engineered to distribute water evenly over the entire fill area for high thermal performance. The fill packs have honeycomb bonded edges on the air inlets and outlets, plus interlocking offsets that space the sheets and form strong, stackable packs. "Herringbone" fills with integrated Inlet Louvers (XF75 IL) and Drift Eliminators (XF75 ID) complete this efficient, high-performance, crossflow media system.

FEATURES & BENEFITS

- Superior air/water management for high thermal performance
- Engineered "herringbone" surface for even water distribution
- Bottom-supported for durability and ease of installation
- Integrated Inlet Louvers (XF75 IL) eliminate "splash out"
- Integrated Drift Eliminators (XF75 ID) reduce drift loss

▼ XF75 ID

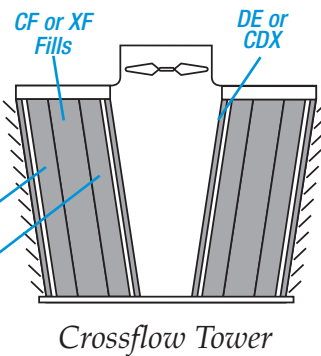


APPLICATIONS

XF75: Designed on a 5° angle for easy installation in package crossflow towers (for HVAC and general industrial use).

XF75 IL: Integrated inlet louver with fill section for use with XF75 media.





XF75 ID: Integrated drift eliminator with fill section for use with XF75 media. Other drift eliminators can be added for ultra-low drift loss.

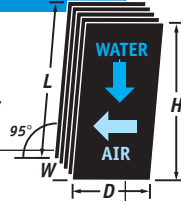
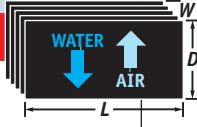


XF SUPPORT SYSTEM


Includes Base Supports, Fill Support Beams, and Front/Back Retainers. Available in a variety of sizes & configurations.



PART NO.	SURFACE AREA	SHEET SPACING	FLUTE ANGLE	SHEETS PER FT.	MEDIA PACK SIZES: Depth (D), Width (W), Length (L) - inches (mm)		
					MINIMUM	MAXIMUM	STANDARD
CROSS-FLUTED FILLS							
 CF650	119 ft ² /ft ³ (390 m ² /m ³)	6.5 mm	30°	44	D: 4" (100) W: 6" (153) L: 1' (305)	D: 12" (305) W: 12" (305) L: 8' (2440)	D: 12" (305) W: 12" (305) L: 4' (1220), 6' (1829), or 8' (2439)
CF1200 BT	69 ft ² /ft ³ (226 m ² /m ³)	12 mm	30°	26	D: 3.94" (100) W: 6" (153) L: 1' (305)	D: 11.8" (300) W: 12" (305) L: 12' (3660)	D: 11.8" (300) W: 12" (305) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
CF1900	48 ft ² /ft ³ (157.5 m ² /m ³)	19 mm	30°	16	D: 6" (153) W: 6" (153) L: 1' (305)	D: 24" (610) W: 24" (610) L: 12' (3660)	D: 12" (305) or 24" (610) W: 12" (305) or 24" (610) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
CF1900 MA	48 ft ² /ft ³ (157.5 m ² /m ³)	19 mm	30°	16	D: 12" (305) W: 6" (153) L: 1' (305)	D: 24" (610) W: 24" (610) L: 10' (3050)	D: 12" (305) or 24" (610) W: 12" (305) or 24" (610) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
CFS3000	31 ft ² /ft ³ (102 m ² /m ³)	30 mm	30°	10	D: 12" (305) W: 6" (153) L: 1' (305)	D: 24" (610) W: 24" (610) L: 12' (3660)	D: 24" (610) W: 12" (305) or 24" (610) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
OFFSET VERTICAL FILL							
 OF21 MA	45 ft ² /ft ³ (147.8 m ² /m ³)	21 mm	NA	14.7	D: 11.8" (300) W: 5" (127) L: 1' (305)	D: 23.8" (605) W: 18" (458) L: 10' (3050)	D: 11.8" (300) or 23.6" (600) W: 18" (458) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
VERTICAL FLOW FILLS							
 VF19 PLUS	47 ft ² /ft ³ (154 m ² /m ³)	19 mm	0°	16	D: 11.8" (300) W: 6" (153) L: 1' (305)	D: 35.4" (900) W: 24" (610) L: 12' (3660)	D: 23.6" (600) W: 12" (305) or 24" (610) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
VF3800	40 ft ² /ft ³ (131 m ² /m ³)	38 mm	0°	16	D: 24" (610) W: 6" (153) L: 1' (305)	D: 24" (610) W: 24" (610) L: 12' (3660)	D: 24" (610) W: 12" (305) or 24" (610) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
CROSS FLOW "HERRINGBONE" FILLS							
 XF75	51 ft ² /ft ³ (167.4 m ² /m ³)	19 mm	NA	16	D: 12" (305) W: 6" (153) L: 2' (610)	D: 24" (610) W: 12" (305) L: 10' (3050)	D: 24" (610) W: 12" (305) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
XF75 IL	51 ft ² /ft ³ (167.4 m ² /m ³)	19 mm	NA	16	D: 24" (610) W: 6" (153) L: 2' (610)	D: 24" (610) W: 12" (305) L: 10' (3050)	D: 24" (610) W: 12" (305) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
XF75 ID	51 ft ² /ft ³ (167.4 m ² /m ³)	19 mm	NA	16	D: 24" (610) W: 6" (153) L: 2' (610)	D: 24" (610) W: 12" (305) L: 10' (3050)	D: 24" (610) W: 12" (305) L: 4' (1220), 6' (1829), 8' (2439), or 10' (3048)
XF SUPPORT SYSTEM (Base Supports; Fill Support Beams; and Front/Back Retainers) See Brentwood System Supports spec sheet.							



Brentwood sheet thicknesses are quoted in final gauge (as measured in field) of .008" (.203 mm), .010" (.254 mm), .015 (.381 mm), or your specific requirement. All Brentwood fill products are available in PVC and are UV stabilized. The PVC compounds used in Brentwood fills have outstanding resistance to weather exposure and are nearly impervious to chemical degradation by alkali, acids, greases, fats, oils, and biological attack. Brentwood PVC has excellent fire rating due to its self-extinguishing characteristics, and meets or exceeds Cooling Tower Institute Standard 136. HPVC (high temperatures), PP (polypropylene), and ABS plastics are also available for special applications.

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