

# ACCU-PAC CROSS FLOW MEDIA

CF-1900

CFS-3000

CF-650

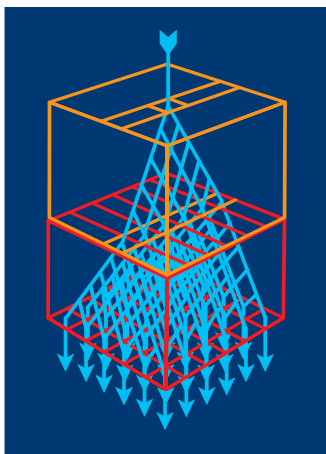
CF-1200

## AccuPac®

Cross Flow PVC Media  
high surface area and maximum  
mixing/redistribution points  
facilitate superior wastewater treatment.

 **BRENTWOOD**  
INDUSTRIES

AccuPac® Cross Flow Media is specifically designed for biological fixed film systems. Cross flow media provides a cost-effective method for reduction of organics (roughing and polishing), nitrification, denitrification, and anaerobic treatment of municipal and industrial wastewaters. The modules are fabricated from rigid, non-flammable PVC sheets, which are UV-protected and resistant to rot, fungi, bacteria, acids, and alkalis commonly present in municipal wastewater.



## CROSS FLOW ADVANTAGE

Combining high surface area with maximum mixing/redistribution points per unit volume of media, cross flow media facilitates superior process performance in a wide range of hydraulic wetting rates.

Each sheet in a module is completely corrugated at a 60° angle from the horizontal and assembled in a cross-corrugated pattern with adjacent sheets,

creating a minimum 95% void-to-volume ratio.

This configuration provides continuous and uniform horizontal distribution of both air and water throughout the full media depth, enhancing contact between the wastewater and the media biofilm.

## VARIED APPLICATIONS

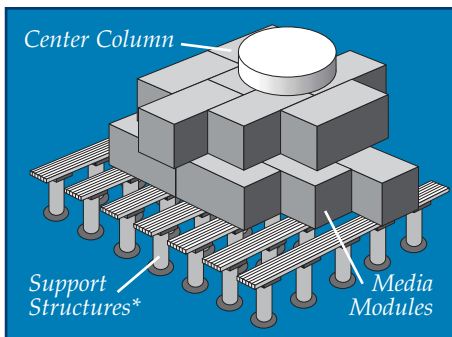
AccuPac Cross Flow Media modules are excellent for both circular and rectangular systems with either rotary distributors or fixed nozzles:

- Trickling filters, bio-towers, nitrification towers; For new installations or replacement of existing media.
- Ideal replacement for rock, wood, or random media; Increases retention time and wastewater biomass contact; Improves wastewater distribution and ventilation.
- Excellent for submerged fixed-film systems in either aerobic or anaerobic modes; High mixing/redistribution and open void area promotes air and liquid mixing without impeding flow.

## DEDICATED BOND JOINTS

Brentwood's patented manufacturing process produces dedicated recesses on the corrugated sheets which become bonding pads when solvent welding the sheets to form a module. This feature ensures:

- Precise and complete bonds between sheets at each of the multiple joints, from the edges throughout the entire self-supporting module.
- Pre-engineered number of mixing/redistribution points as the bonded joints become the mixing points for each pair of sheets.
- Uniform size openings and uniform module dimensions creating superior creep resistance and structural integrity.



Each module in the bottom layer is placed cantilevered across and at right angles to two supports (8 inch minimum support width on 24 inch centers\*). Installed modules are rotated 90° to the layers immediately below and above.

\* Brentwood offers the pre-engineered AccuPier™ System. Call for details.

ACCUPAC PRODUCT	SURFACE AREA ft <sup>2</sup> /ft <sup>3</sup> (m <sup>2</sup> /m <sup>3</sup> )	MIXING POINTS #/ft <sup>3</sup> (#/m <sup>3</sup> )	TYPICAL APPLICATIONS
CFS-3000	31 (102)	180 (6,356)	Wastewater treatment, including BOD roughing and polishing
CF-1900	48 (157)	720 (25,424)	Wastewater treatment, especially shallow depth BOD roughing and polishing, nitrification and denitrification
CF-1200	69 (226)	2,457 (86,758)	Odor control, oil/water separation, and specialized nitrification
CF-650	119 (390)	6,864 (242,300)	Odor control, aquaculture, and other unique applications

AccuPac Cross Flow Media modules are available in a wide variety of sizes: 12 or 24 in. heights; 12 or 24 in. widths; and 4, 6, 8, and 10 ft. lengths.



Brentwood Industries, Inc.

Mailing Address P.O. Box 605, Reading, PA 19603, USA

Shipping Address 610 Morgantown Road, Reading, PA 19611

Phone 610.374.5109 Fax 610.376.6022

Email [wwsales@brentw.com](mailto:wwsales@brentw.com)

Website [www.brentw.com](http://www.brentw.com)