



quality . experience . service

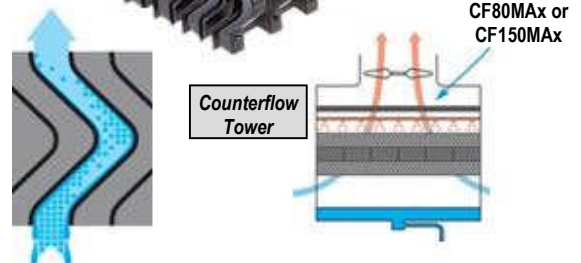
# DRIFT ELIMINATOR

## Cellular Drift Eliminator

DRB Industries' Counterflow Cellular Drift Eliminators are specifically designed to achieve maximum drift removal. Unlike other drift eliminators designed for both counterflow and crossflow towers, these counterflow eliminators have significantly lower pressure drop.

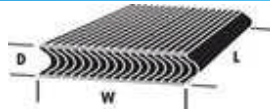
All Counterflow Cellular Drift Eliminators are made from PVC material that meets CTI (Cooling Technology Institute) Standard 136 and are UV protected. These PVC compounds have outstanding resistance to weather exposure, and are nearly impervious to chemical degradation by alkalis and acids, grease, fats, oils, and biological attack. PVC has an excellent fire rating due to its self-extinguishing characteristics.

Counterflow Cellular Drift Eliminator modules are constructed of a series of sinusoidal-shaped, corrugated, CTI STD-136, PVCV sheets that are mechanically assembled to mating sinusoidal structural waves to form closed cells. These cells force the drift droplets carried in the airstream to make these distinct changes in direction. This diversion of the air flow creates centrifugal forces on the drift droplets, forcing them to be captured by inertial impaction with the cell walls and thereby removing the droplets from the airstream.



**Up to 25% Lower Pressure Drop than Dual-Purpose Eliminators**

## Specifications



PRODUCT NUMBER	CELL SIZE	MODULE DIMENSIONS			SHEET THICKNESS*	DRY WEIGHT	MAX. SPAN**	DRIFT LOSS
		DEPTH (D)	WIDTH (W)	STANDARD LENGTHS (L)				
CF80MAx	0.86 in (21.8 mm)	5.25 in (133 mm)	12 in (305 mm)	2 to 12 ft. (610 to 3658 mm) In 1 ft. (305 mm) increments up to 6 ft. (1829 mm) and in 2 ft. (610) increments over 6 ft. (1829 mm)	0.013 in (0.33 mm) Standard	1.6 lbs / ft <sup>2</sup> (7.8 kg / m <sup>2</sup> )	4 ft (1.2m)	0.0005%
			or 18 in (457 mm)		0.020 in (0.51 mm) Heavy Duty	2.2 lbs / ft <sup>2</sup> (10.7 kg / m <sup>2</sup> )	6 ft (1.8m)	
CF150MAx	1.500 in (38.1mm)	5.25 in (133 mm)	12 in (305 mm)	2 to 12 ft. (610 to 3658 mm) In 1 ft. (305 mm) increments up to 6 ft. (1829 mm) and in 2 ft. (610) increments over 6 ft. (1829 mm)	0.015 in (0.38 mm) Standard	1.0 lbs / ft <sup>2</sup> (4.9 kg / m <sup>2</sup> )	4 ft (1.2m)	0.001%
			or 18 in (457 mm)		0.020 in (0.51 mm) Heavy Duty	1.4 lbs / ft <sup>2</sup> (6.8 kg / m <sup>2</sup> )	6 ft (1.8m)	

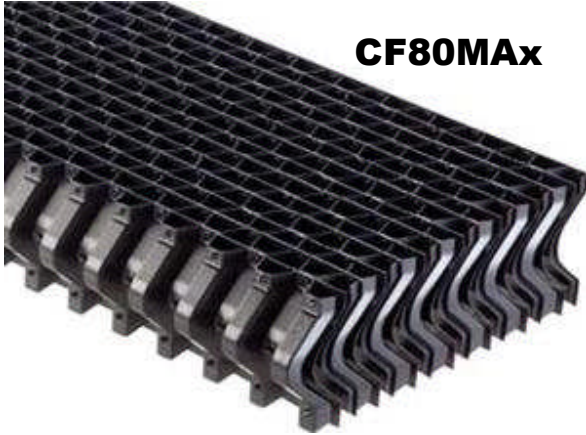
\* Nominal sheet thickness after forming.

\*\* Tested at a maximum air temperature of 115°F (46°C) with 2 in (51 mm) wide supports.



quality . experience . service

# DRIFT ELIMINATOR

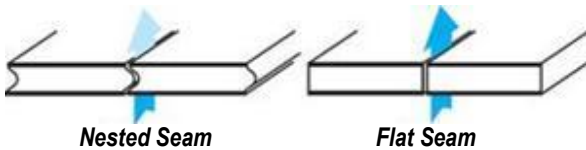


### CF80MAx

**CF80MAx Counterflow Cellular Drift Eliminators** are specifically-designed for applications requiring very low drift levels in counterflow Cooling Towers, Evaporative Cooling systems, Turbine Intake Hoods, and Scrubbers, providing the best drift removal efficiency. With field-verified drift test results of 0.0005% per CTI Standard 140 (the industry standard for testing of cooling tower drift), there is no need to use double layers of drift eliminators to achieve high drift-reduction efficiency.

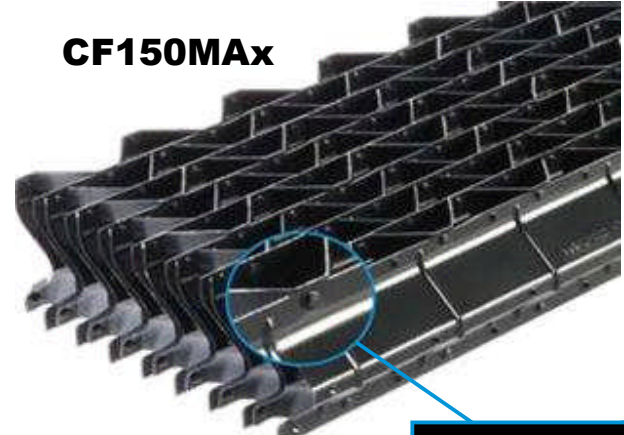
#### FEATURES & BENEFITS

- Beveled Drainage Tip design (right) reduces pressure drop by up to 25% (based on air velocity of 800 fpm [4.1 m/s]) over non-beveled designs.
- Patented "MA" (Mechanical Assembly) Technology for environmentally friendly glue-free packs
- Heavy duty CF80MAx modules are strong enough to span 6 ft (1.8m), requiring fewer support beams and less air blockage.
- Can be field cut for a tight fit around columns and other structures without sacrificing structural integrity. Dri-Seals are recommended for maximum performance.
- All Brentwood Cellular Drift Eliminator modules "nest" with the adjoining modules (below) to provide "seamless" panel installations.
- Raw material meets CTI Standard 136 and has a flame spread rating of 25 or less per ASTM E84.



Nested Seam

Flat Seam



### CF150MAx

**CF150MAx Counterflow Cellular Drift Eliminators** are cost-effective, high efficiency cellular drift eliminators designed specifically for counterflow Cooling Towers and Evaporative Cooling systems. With over 10 million square feet installed worldwide, the 150-series has been our most popular drift eliminator.

#### FEATURES & BENEFITS

- Engineered flute design provides high performance at a cost-effective price.
- Patented "MA" (Mechanical Assembly) Technology for environmentally-friendly glue-free packs.
- Heavy duty CF150MAx modules are strong enough to span 6 ft (1.8m), requiring fewer support beams and less air blockage.
- Can be field cut for a tight fit around columns and other structures without sacrificing structural integrity.
- All Brentwood Cellular Drift Eliminator modules "nest" with the adjoining modules (below left) to provide "seamless" panel installations.
- Raw material meets CTI Standard 136 and has a flame spread rating of 25 or less per ASTM E84.

#### "MA" Technology

PAT. NOS. 6,544,628 and 6,640,427  
US 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!



3104 South Elm Place, Suite I  
Broken Arrow, OK 74012  
Phone: 918.286.7176  
Fax: 918.286.7215  
sales@drbindustries.com  
www.drbindustries.com

Contact us for a quote

