

ACCU-PAC®

BLADE DRIFT ELIMINATORS

The blades are held together with one-piece end caps, forming an assembled module that is lightweight but strong enough to span up to 6 ft. (1.8 m) between supports ... saving material and labor costs and reducing air blockage.



DE-080

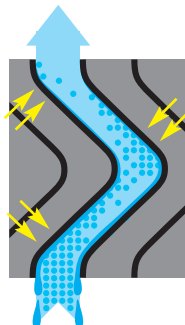
DE-120

DE-097

DIRECTIONAL DISCHARGE DEFLECTORS

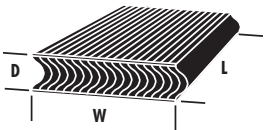
DE-080 and DE-120

Brentwood AccuPac DE-080 and DE-120 Blade Drift Eliminator modules use a tightly-spaced series of sinusoidal-shaped PVC (or HPVC) blades that force the leaving air to make distinct changes of direction at three impact zones (right), resulting in maximum drift droplet removal. And this performance does not come at the expense of fan energy, as the engineered flow through these high-performance drift eliminators achieves very low pressure drop (see back).



DE-097

DE-097 Blade Drift Eliminators are specifically designed for use in forced-draft cooling towers. Like the DE-080 and DE-120, this drift eliminator use a series of sinusoidal-shaped blades, but where this product differs is the additional deflector designed into the discharge edge of each blade. These deflectors increase the velocity of the airstream and direct it (at a 45° angle) away from the intake fans to prevent recirculation of warm, moist air through the fans.



SPECIFICATIONS



	DE-080	DE-120	DE-097
Standard Materials	PVC	PVC or HPVC	PVC
Module Depth (D)	5.75 in. (146 mm)	5.75 in. (146 mm)	4.75 in. (121 mm)
Max. Module Width (W)	24 in. (610 mm)	24 in. (610 mm)	23.25 in. (590 mm)
Module Length (L)	1 to 12 ft. in 1 ft. increments (305 to 3660 mm in 305 mm incr.)	1 to 12 ft. in 2 ft. increments (305 to 3660 mm in 610 mm incr.)	1.5 to 12 ft. in 1.5 ft. increments (457 to 3660 mm in 457 mm incr.)
Blade Spacing	.800 in. (20 mm)	1.200 in. (30.5 mm)	.968 in. (24.6 mm)
Blade Thickness	.025 in. (.64 mm)	.025 in. (.64 mm)	.025 in. (.64 mm)
Dry Weight	1.40 lbs/ft ² (6.8 kg/m ²)	.90 lbs/ft ² (4.4 kg/m ²)	.90 lbs/ft ² (4.4 kg/m ²)
Maximum Span	6 ft. (1.8 m)	6 ft. (1.8 m)	6 ft. (1.8 m)
Drift Loss*	.002 % recirculation	.005 % recirculation	.004 % recirculation
Flame Spread**	15	15	15

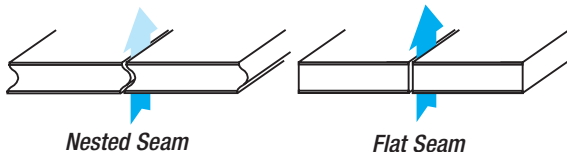
* Test Method CTI-HBIK Standard 140 ** Per ASTM Method E84

APPLICATIONS

Brentwood Blade Drift Eliminators are designed for use in counterflow or crossflow Cooling Towers.

FEATURES & BENEFITS

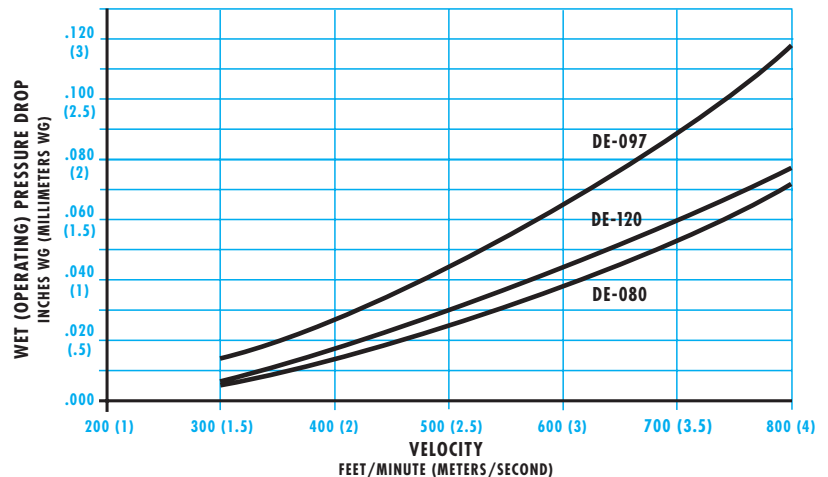
- Easy to assemble on-site, our Blade Drift Eliminators are a popular choice for international projects. (Shipping unassembled components vs. assembled modules can save significantly on freight costs.)
- The DE-097 features engineered directional discharge deflectors on the trailing edge of each blade that increase the velocity of the leaving airstream and direct it at a 45° angle away from the intake fans to prevent recirculation of warm, moist air through the fans.
- The DE-080 and DE-120 feature an open drainage design for crossflow induced draft applications.
- Brentwood Blade Drift Eliminator modules "nest" with the adjoining modules to provide "seamless" panel installations.



MATERIALS

All Brentwood Blade Drift Eliminators are made from PVC (or HPVC for high temperatures) 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, acids, grease, fats, oils, and biological attack. These materials have excellent fire rating due to their self-extinguishing characteristics.

PRESSURE DROP



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