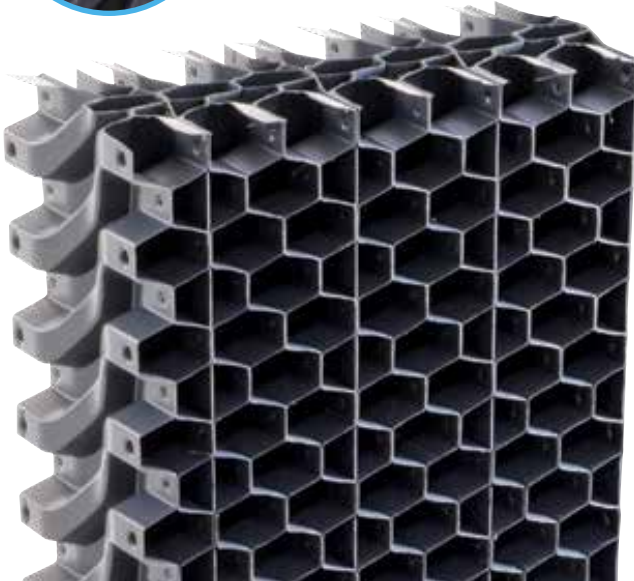




XF80MAx Cellular Drift Eliminator Example Specification



Tuned venturi section increases the velocity of the exit airflow to scrub out smaller droplets.



Brentwood is proud to present the latest development in high-efficiency, drift removal technology: XF80MAx. Specially designed for crossflow tower applications, the XF80MAx incorporates an upward flow path and a steep water drainage angle to maximize the drift removal for crossflow applications, even when installed in a fully vertical orientation. When this is combined with the engineered venturi section, which increases the air velocity to help remove even smaller droplets, the results show drift loss rates as low as 0.0005% of the circulating water flow, per CTI STD-140.

With the XF80MAx's fully nesting design, proper use of Dri-Seals, and installation per Brentwood's installation guidelines, any crossflow cooling tower accurately designed can achieve the same result. In retrofit projects, older cooling towers will also see vast improvement in drift emissions.

Made from rigid, UV-protected PVC that meets CTI STD-136, XF80MAx is offered in 13-mil (0.33 mm) sheet thickness for up to 8-ft (2438 mm) spans without retainers. Alternate materials are available for high-temperature applications.

Example Specification

Drift eliminators shall be of the cellular type, Brentwood XF80MAx or approved equal. The modules shall be made from prime, rigid PVC that meets CTI STD-136 with UV protection, have a flame spread rating of 20 or less per ASTM E-84, be assembled without adhesives or solvents, and utilize a nesting design to prevent drift bypass between modules. The air passageways shall cause the air to make at least three changes in direction and shall incorporate a tuned venturi section to scrub out small droplets.

When installed in the standard 10° from vertical orientation, the modules shall be able to be supported on 96-in (2438 mm) centers with minimal deflection.

The drift eliminator modules shall measure 5.25 in (133 mm) deep, up to 24.375 in (619 mm) wide, and up to 144 in (3658 mm) long.

The installation shall be in accordance with manufacturer's recommendations and guidelines. See Application Note, "XF80MAx Crossflow Drift Eliminator - Installation Guidelines to Maximize Performance in Crossflow Towers" for Brentwood's installation recommendations.

