

XF80MAx High-Efficiency Cellular Drift Eliminator



Tuned Venturi Section:
Increases the velocity of the exit airflow to "scrub out" smaller droplets

Brentwood Industries is proud to present the latest development in high-efficiency crossflow tower drift removal technology, the 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 tuned venturi section, which increases the air velocity to help remove even smaller droplets, the result is the best performing crossflow drift eliminator on the market today with drift loss rates as low as 0.0005% of the circulating water flow per CTI STD-140 (the industry standard for the testing of cooling tower drift). With its fully nesting design, Brentwood's Dri Seals, and installation per Brentwood's installation guidelines, a properly designed crossflow cooling tower can achieve that same result. In retrofit projects, older cooling towers will see a vast improvement of drift emissions also. Made from rigid, UV-protected PVC that meets CTI STD-136, the XF80MAx is offered in two material gauges; standard 13-mil (0.33mm) for up to 8' (2438mm) spans and heavy-duty 20-mil (51mm) for up to 10' (3048mm) spans. Alternate materials may be available for higher temperature applications. Contact a Brentwood Sales Engineer for material options and temperature limits.

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 be designed to nest 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" (2438mm) centers and 120" (3048mm) centers with optional heavy duty material with minimal deflection.

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

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