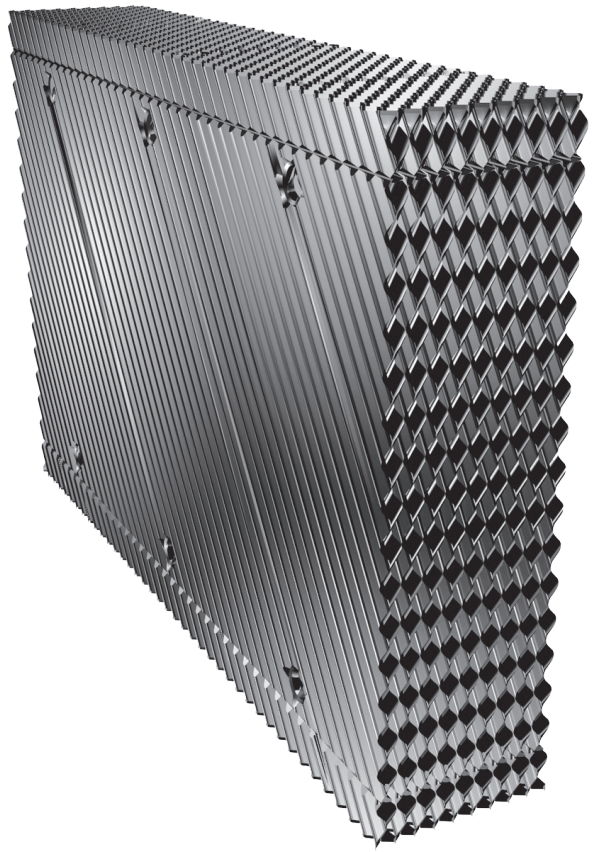
MARLEY®

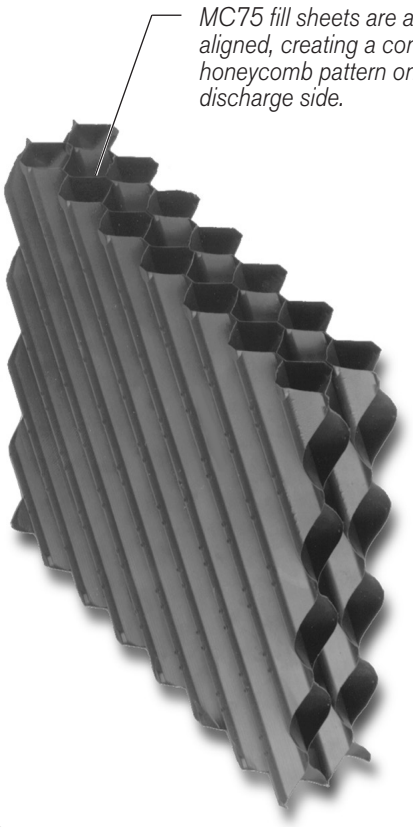
MC75 film fill



MC75—a film fill system designed for counterflow towers offering you several distinct advantages.

- Assured Improved Thermal Performance—Crossed corrugations provide the surface area and turbulence to develop efficient heat transfer. The corrugations inherently establish uniform fill sheet spacing at 0.75".
- Durability and Quality—MC75 fill is thermoformed from .015" thick, UV inhibited, chemically-resistant polyvinyl chloride (PVC). The flame spread rating is less than 25 per ASTM E-84 and is considered self-extinguishing. The material is extruded and manufactured to rigid specifications before forming.
- Improved System Efficiency—Using Marley MC75 film fill in place of existing splash type fill in counterflow towers usually means reduced fill height, which translates into reduced pumping head. MC75 will also provide greater cooling tower capacity, which means your current performance level will require less fan energy.
- Easily Adapted to Your Tower Configuration—The fill pack depth (air travel) is variable to provide the proper heat transfer area within a single fill layer. If another layer of fill is necessary for situations where additional air travel is required, it will be limited to only one. Limiting the number of interfaces between packs minimizes restrictions that usually cause fill clogging. MC75 counterflow fill can be hung from structural members or it can be bottom-supported in virtually all counterflow cooling towers, regardless of a cooling tower's age or manufacturer.

MC75 film fill



SUGGESTED SPECIFICATION

The fill will be used in counterflow cooling towers.

Construction and Materials

The fill must be film type, constructed of multiple sheets of thermoformed PVC. Each sheet must contain a pattern of angular corrugations to develop the necessary heat transfer capabilities. Alternate reversal of corrugation angularity on adjacent sheets will establish the fill sheet spacing.

Fill may be bottom-supported or suspended from structural members. Bottom-supported fill must be assembled into packs by bonding adjacent sheets. Suspended fill packs must be supported on 2" diameter stainless steel tubes which pass through reinforced holes formed in the upper part of the fill sheets. The fill support tubes must be hung by loops of stainless steel rods from the structure. The vendor will determine the appropriate support means.

Fill Depth (air travel)

The fill depth will be chosen to provide the proper thermal performance. If a fill height greater than the maximum height of available fill packs is required, a second layer of fill packs may be added, but no more.

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SP-MC75-D | ISSUED 10/2016
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