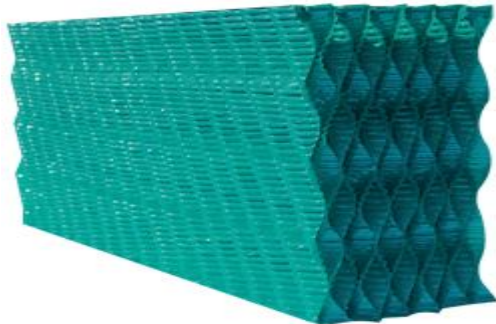


OEM Spares

PVC Fill



Overview

FTA-12MF PVC Fill is manufactured by us in-house through our automated fill forming machine. For almost every application, cooling by film-packing principle is the most efficient. Film packings demonstrate the highest volumetric heat transfer co-efficient that can be achieved. FTA-12MF Fill is an extended surface film packing for use not only in new cooling towers but also as a retrofit material to improve the performance of existing equipment.

FTA-12MF packing consists of a bonded assembly of vacuum formed PVC sheets. Each sheet is moulded with a wave form corrugation in one plane and a secondary and smaller corrugation which is superimposed at a screw angle to the primary wave form. When the sheets are assembled into modules the major wave form creates vertical unobstructed air passageways which give the design a very low resistance to air flow.

Thermal Performance

We offer a comprehensive performance guarantee for all equipment in which we install FTA-12MF packing. The original performance characteristics for the packing were established in our own laboratories. The data for this has been subsequently re-enforced by field experience in many different industrial environments.

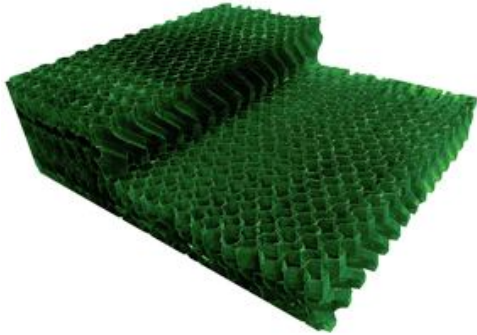
Patented Design

The finished profile of the FTA-12MF plate is so ingenious that new manufacturing process had to be developed to produce the molding tool. The design of the FTA-12MF packing is protected by the patent. It is company policy to respond vigorously to any infringement of these patents.

Unique Flow Pattern

FTA-12MF derives its success from the way in which the water film moves diagonally across each plate. This movement rapidly corrects initial irregularities in the distribution of water.

PVC Drift Eliminator



Overview

The FTA100HS Drift eliminator is a honeycomb cellular profile with low pressure drop which is manufactured exclusively by Flow-Tech Air Pvt. Ltd. The FTA 100HS have high efficiency with minimum resistance to air flow of fans.

FTA100HS form an S shaped tubular structure. Individual S shaped corrugated sheets are bonded with subsequent layers to form the honeycomb like structure with single bank double pairs.

The FTA100 HS is a nesting cellular PVC type design drift eliminator. FTA100 HS is an advanced design that meets the demanding specifications for drift emissions today without compromising on fan HP.

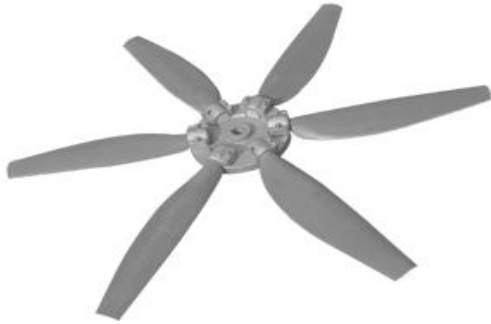
Low drift rate is paramount in terms of an eliminator design and the FTA 100 HS produces typical drift rates of 0.02% of the total USGPM. Lower drift rates are also available depending upon tower specifications and additional client requirements.

FTA100 HS drift eliminators require negligible or zero maintenance. If in a situation it becomes necessary to clean them, one must take care so as to not physically damage the PVC eliminator packs.

Key Features

- Material spec. : 600 x 600 x 100 (mm)
- Sheet thickness : 0.3 to 0.4 (mm)
- Material : uPVC Maximum
- Operating temp. : 55 degrees C
- Profile distance : 25

FRP Fan Assembly



Overview

Flow Tech Air FTA-4/6-F fans are 4 to 6 blade fiber glass axial flow fans with a cast aluminium/SS hub which are dynamically balanced for zero vibration and corrected tip clearance. These fans are applicable in counterflow cooling towers with a wide range of diameter options providing a distinct advantage over fan designs.

All FTA-4/6-F fan assemblies are dynamically balanced to provide zero vibration as well as corrected tip clearance and track variation. All fan assemblies are accompanied by a heavy duty cast aluminum/ss hub. All fan blades are adjustable in pitch, so as to completely utilize the rated horsepower.

Based on true airfoil design providing superior air flow and pressure capability, these fans provide excellent performance and a long service life. Available in 700mm through 2400mm fan diameters in a variation of blade preferences.

The surface of the FTA-4/6-F Fans is made with the highest quality fiberglass reinforced plastic that is infused with pigment and epoxy resin to ensure the highest standard of quality.

Key Features

- Twisted Airfoil Design
- Dynamically balanced
- Fiberglass re-inforced plastic
- Heavy duty cast aluminum/ss hub
- Pitch adjustable
- 700 – 2400mm diameter range
- Zero vibration

Fan Cylinder



Overview

Fan cylinders are important components for protecting fan blades and reducing sound and vibration levels, and also facilitating an optimal fan performance across the entire cooling tower.

Fiberglass based, the FTA FC fan cylinders withstand wind load and extreme temperature and humidity conditions. They also ensure a safe work area by protecting maintenance personnel from fans that are in operation.

FTA CF fan cylinders are specified by the cooling tower size and series. These cylinders enable the cooling tower fan to circulate the maximum amount of air at the minimum required horsepower.

Genuine Flow Tech Air OEM spares are designed and manufactured with precision to provide you with a quality and reliable product. While other third party suppliers may offer universal spares at an initial savings, Genuine Flow Tech Air OEM spares are designed and manufactured with precision to provide you with a quality and reliable product. While other third party suppliers may offer universal spares at an initial savings you increase the chances of lowering performance — and losing Spec and CTI ratings. Flow Tech Air OEM spares provide the quality and durability you can trust because we design and manufacture them exclusively for our cooling towers.

With the plant's operation relying greatly on the performance of your cooling tower, it's essential to purchase spares that are the highest quality available.

Key Features

- Fiberglass composite
- Diameter from 3ft upto 10ft
- Easy maintenance access

Distribution Nozzle



Overview

The FTA N200 distribution nozzles are polyethylene based and designed to economically provide the desired thermal performance at low spray heights typical of FRP based package cooling towers.

The FTA N200 nozzle is a machine molded polyethylene unit consisting of two parts—the main assembly support with a ring based turbulator to enhance the distribution of water.

The FTA N200 distribution nozzles are polyethylene based and designed to economically provide the desired thermal performance at low spray heights typical of FRP based package cooling towers.

The N200 nozzles are produced in a single size and can be used for most counterflow based cooling tower distribution systems. Recommended spray height above the fill is between 10” and 12”.

Key Features

- Available in a single size
- Detachable ring based unit
- Optimum water distribution design
- Easy removal for cleaning
- No moving parts
- Detachable ring based unit
- Easy removal for cleaning

Distribution System



Overview

The entire distribution system requires only a few simple hand tools. All connections are long lasting, yet the design allows repeated disassembly and reassembly.

The FTA N200 Nozzles are installed individually with each water distribution pipe consisting of multiple nozzles.

This arrangement is designed in a way so that it drains itself when the supply water is shut down. There is no need for any specialised valve to open or close.

The nozzle assembly is attached to the header using high quality steel screw sets which is inserted into the pipe.