

CLEANING TIPS FOR START-UP



START-UP CLEANING TIP:

We suggest that prior to installation, the new pads be thoroughly washed with clean water to remove excess manufacturing cutting dust. If you are unable to wash the pads prior to installation, you can clean them by filling the cooler's sump with clean water and operate the recirculation water pump for a period without any air flow through the pads. Then prior to start-up of the fan, empty and re-fill the sump with fresh water.

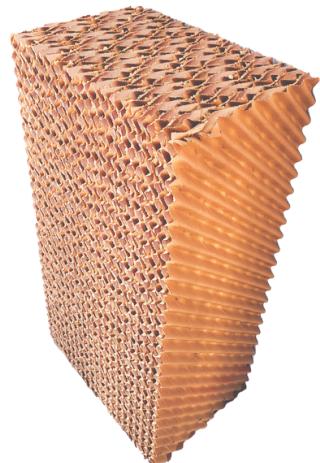
CLEANING BEFORE REPLACING OLD MEDIA:

Depending on your application media should be replaced about every 3-5 years.

When replacing media into an old unit we recommend you clean out the sump and system before you start-up with the new media. Evaporative cooling media is a filter and all the dust and grime it catches gets caught in the sump.

To clean, drain the sump completely, spray the sump with water to break up deposits in the sump and allow to drain. Some sumps may require a brushing process to remove debris. Disinfecting the sump is useful as long as the disinfectant is completely drained and washed out of the system prior to operation. (Disinfectants are often oxidizing biocides that can break down your media faster).

The distribution system should provide an even distribution of water flow to the media to entirely wet the media from side to side and front to back.



MEDIA INSTALLATION

It is important to install the media properly. If media is not installed properly it can affect the efficiency of your media. When media is put in wrong it causes water spillover.



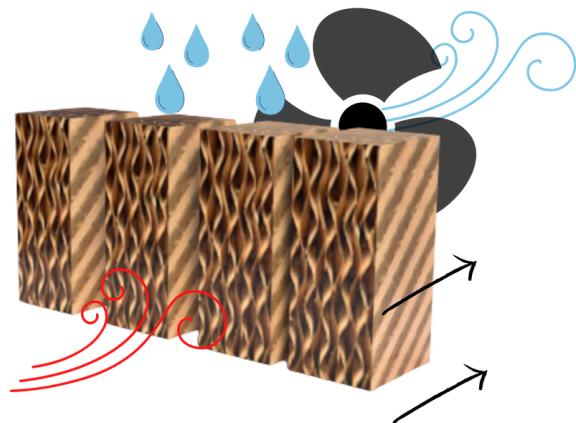
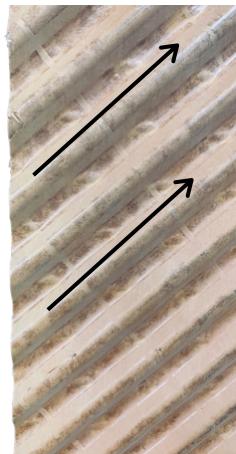
FACTORY INDICATORS:

Munters products have an installation line that helps as an indicator for install. On CELdek products there is a red installation line, and on GLASdek a blue installation line. The installation lines are on the bottom of the media and when the media is placed in the unit properly they are meant to be on the bottom and pointing out. Munters also has a indicator stamp on the side showing which way to point the media.

Kuul products also have an indicator sticker on the side of both their Kuul Pad and FirePro that helps point which way the media needs to be placed.

45°RULE:

All media has two flat sides, one side at a 15° angle and one side at a 45° angle (like you see in the photo). Look at that smooth side with the 45° angle. When you place your media point the 45° angle so that is is pointing up toward the air flow. Just like you see in the diagram to the right . Evaporative cooling media is engineered to fit together like a puzzle and fit close together. That is why we offer custom cutting for whatever size you may need so that the media fits in snug together.



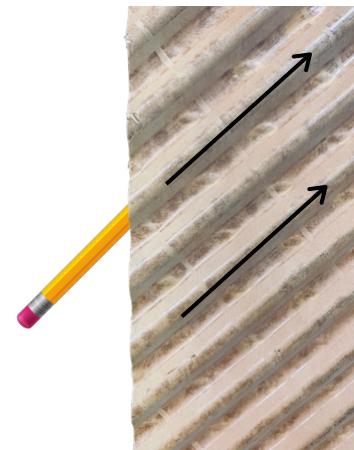
MEDIA INSTALLATION CONTINUED

It is important to install the media properly. If media is not installed properly it can affect the efficiency of your media. It can also cause mess, sometimes when media is put in wrong it causes water spillover.



PENCIL TIP

When the installation is complete, the media orientation may be checked by using a pencil. Place your pencil into the media's 45° angle flute. If the air flow is hitting you in the face, the pencil should be pointing upwards at the 45° angle. If the air flow is hitting you in the back of the head as you face the media, the pencil should be pointing 45° downwards.



DISTRIBUTION PAD

Distribution pad is a small piece of media that helps to bring even water distribution for your bank of media. Sometimes we get folks who put their distribution pad on the bottom of their media bank, but that will take away from the efficiency and the purpose of the distribution pad. Distribution is always placed on top of your media bank. Not everyone orders distribution pad and you don't have to have it. It is there to offer added efficiency it helps distribute water to your entire bank of media.

