PRODUCT SHEET

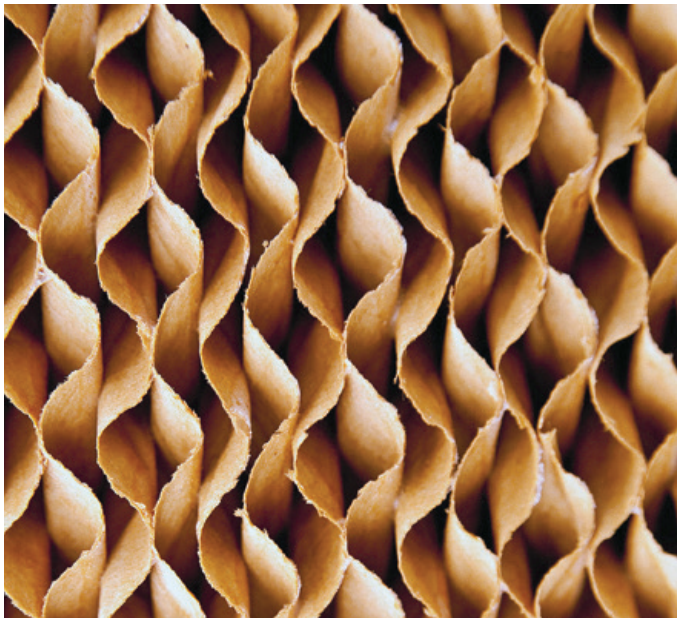
Munters CELdek®

Evaporative media

Munters CELdek® is a high-efficiency evaporative cooling media that is engineered to provide maximum cooling and humidification, low pressure drop and years of reliable service.

Features

- Maximum cooling and humidification
- Low pressure drop
- Low running cost
- Self-cleaning flute design
- Specially treated, algae-resistant substrate



CELdek allows the use of water straight from the tap with no need for water treatment (i.e. demineralization plants). In cases with non-sufficient water quality, it may be necessary to add a water treatment. No silver ionization filter is needed. Minerals and pollutants stay behind in the CELdek evaporative media to be washed away with the discharge water keeping the total humidification process pure.

MI-T-edg® as option

For extended service life, Munters offers the option of MI-T-edg, a tough and resilient edge treatment which is applied to the air entering face of a CELdek pad. It has been formulated to withstand repeated cleaning without damaging the pad.

Munters MI-T-edg is nonporous and quick drying. It prevents algae and minerals from anchoring themselves into the substrate of the pad, so they slough off when dried. MI-T-edg also protects CELdek pads from the damaging effects of severe weather and long term exposure to UV light.

Munters MI-T-edg protects the CELdek pads from damaging effects of severe weather and UV light.

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Design considerations

Water distribution: the water flow needed is based on the depth of the media used. CELdek requires 1.5 gallons per minute per square foot of horizontal (top) pad surface area. For installations that have intense evaporation or pad walls taller than 72", additional water may be required.

Supply: the sump should be sized to supply the system with enough water to operate at its maximum flow rate and not overflow when the system is shut down.

Maintenance

Mineral deposits can be minimized by maintaining a continuous water bleed-off or by periodically dumping the sump. The exact amount will depend on the pH and hardness of the water supply. Munters can assist by recommending individual bleed-off rates.

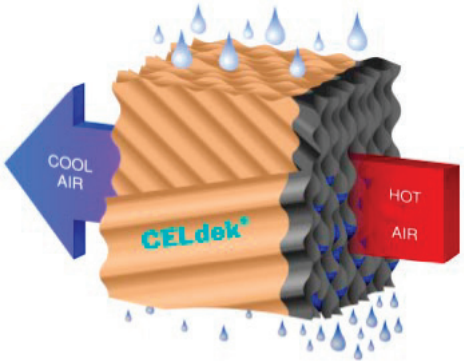
If algae is allowed to grow freely on CELdek, it may eventually clog the passages and inhibit the flow of air. This increases the static pressure and reduces the efficiency of the pad. Algae build up can be controlled by early implementation of simple maintenance techniques. Munters maintenance bulletins provide information to help maximize the efficiency and life of CELdek.

Selection

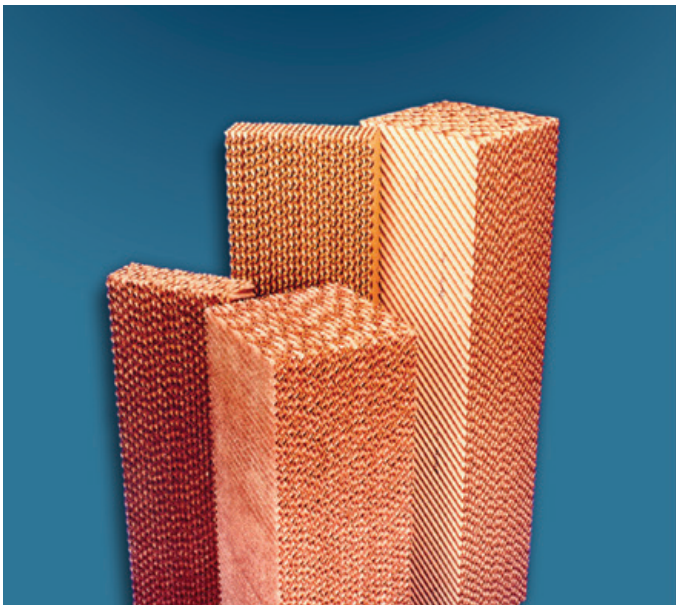
The depth and height of the media varies by application. CELdek may also be cut to fit smaller equipment. Contact Munters for help in determining the requirements of specific installations.

Distribution pads

CELdek is designed to distribute water from the front to the back of the pad. For lateral distribution, a 2" or 3" distribution pad should be used. These specially designed pads are also protected with Munters patented edge treatment.



The steeper angle directs more water to the air entering side of the pad where it is needed the most.



GREENGUARD GOLD

Munters high-performance media is GREENGUARD Gold certified and has been tested for emissions from over 360 individual chemicals of concern, guaranteeing them as having non-harmful emissions. Read more on www.munters.com/greenguard.

Find your nearest Munters office at **www.munters.com**

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