

A MUNTERS ORIGINAL PART

## GLASdek®IV

Fire Rated Evaporative Cooling  
and Humidification Media

### GLASdek®

- High evaporative efficiency
- Fire Rated UL®900,  
ULC-S111 Class 1
- High face velocity, low pressure drop,  
low drift
- Self-cleaning design
- Simple to maintain
- GREENGUARD Gold certified

### TUFedg® as option:

- Protective edge coating
- Algae and weather resistant
- Extends the service life of  
evaporative pads

# GLASdek®IV

The new generation evaporative media

### GLASdek®IV fire rated evaporative cooling and humidification media

Munters GLASdek is the original evaporative media and was invented by Munters already in the 1970's. The unique design has continuously been developed for maximum operating efficiency, safety and life span. Our new generation media, GLASdek® IV, has increased strength and durability with exceptional cooling and humidification rates due to its design, manufacturing and materials. It is made from a flame retardant material fortified with special rigidifying agents, and is the only media choice where strict adherence to fire codes is required. Fire Rated UL®900 and ULC-S111 Class 1.

In most cases, routine maintenance can be performed while systems are still operating. The new generation pad has tested as having better resistance to variable water supplies, harsh environments, and applications. When properly maintained, Munters GLASdek pads will provide many years of highly efficient cooling and humidification. GLASdek® IV is GREENGUARD Gold certified under UL's certification program, as having low chemical emissions, validating that it meets the highest industry standards globally.



## TUFedg® as option

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

Munters TUFedg is non-porous and quick drying. It prevents algae and minerals from anchoring themselves into the substrate of the pad, so they slough off when dried. TUFedg also protects GLASdek pads from damaging effects of severe weather and long term exposure to UV light. This protective edge coating extends the life of the pad over that of non-treated pads.

Another option is distribution pads. They disperse water laterally and evenly across the top of the pad. These specifically designed pads are also protected with Munters patented edge treatment.



The shallow angle of Munters unequal flute design allows high velocity air to travel through the pad without significant resistance or water droplet carry over. GLASdeks' self-cleaning design resists clogging caused by dust, sand or other debris. By design, more water is directed toward the air entering face of the pad, where it flushes away dirt and debris while allowing maximum cooling performance.

## Design Considerations

Water distribution: the water flow needed is based on the depth of the media used. GLASdek 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 gutter and 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.

Early implementation of simple maintenance techniques prevents algae build up. The efficiency of the pad is maintained when the air can flow uninhibited through the pad. Munters maintenance bulletins provide information to help maximize the efficiency and life of GLASdek.



## Maintenance

Mineral deposits can be minimized by maintaining a continuous water bleedoff, 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.

## Selection

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

## Sizes Available

Depth: 4", 6", 8", 12", 18"  
Height: 48", 60", 72"  
Width: 12"

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