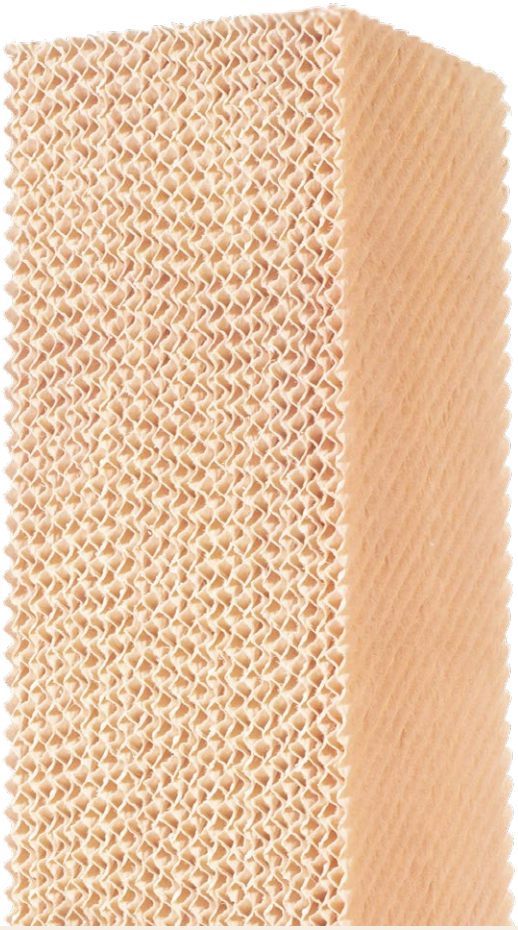
Munters

Product sheet

GLASdek GX35

Innovative evaporative cooling and humidification media, engineered for exceptional energy savings



GLASdek™ GX35 has a patent-pending design specifically for industrial HVAC systems that demand high energy efficiency and long-lasting cooling performance. Constructed from corrugated glass fiber with alternating flute heights, GX35 delivers exceptional energy savings, even at high airspeeds.

GX35 effectively extends cooling cycles and reduces energy consumption, making it an ideal choice for retrofitting or new installations in HVAC sectors such as data centers, the automotive industry, and gas turbines. The GX35 stands out for its robust and sustainable performance in energy-intensive environments.

Features

- GLASdek GX35 is an advanced evaporative cooling media made from corrugated glass fiber, with alternating flute heights
- The alternating flute height design ensures low pressure drop even at high airspeeds, optimizing energy efficiency
- Compared to similar products, the GX35 offers a longer cooling cycle time, reducing on/off cycles and extending service life
- With longer cooling cycles, GX35 supports significant energy savings and promotes system longevity
- GX35 is suitable for both retrofitting and new installations in the HVAC segment
- Applications include data centers, automotive, electronics, and gas turbines

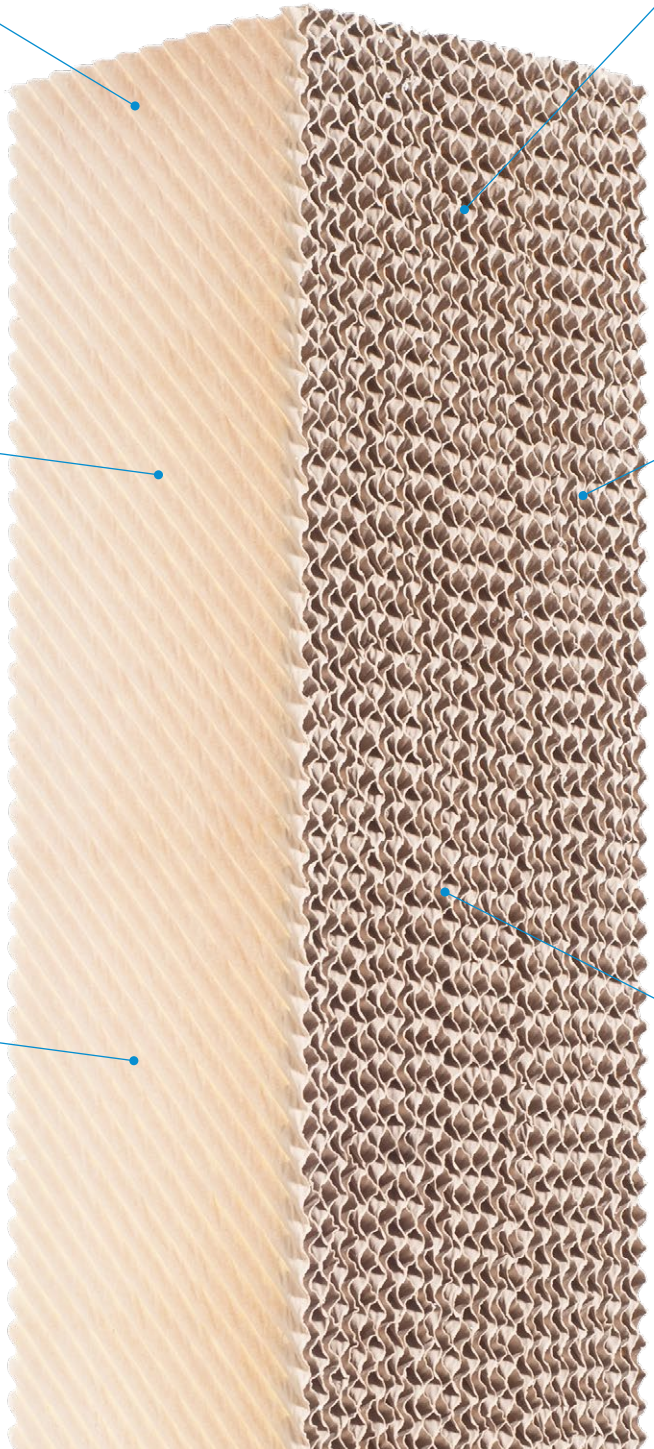
Munters is the pioneer of low-energy adiabatic cooling and humidification, as well as the inventor of evaporative cooling media. With the introduction of GLASdek GX35, we continue to apply customer-focused, innovative thinking to provide superior performance while lowering energy consumption and maintenance costs.

Designed for low pressure drop

The unique, alternating flute heights provide a lower pressure drop compared to standard media with constant flute heights.

Optimized energy transfer

Two different flute angles direct the water where it's needed the most, maximizing the contact time and optimizing the energy transfer.



High-velocity capability

The shallow angle of the flutes enables high-velocity air to flow through the pad without carrying water droplets into the airstream.

Algae and weather-resistant

Scrubbable to extend service life, if TUFedg™ coating is selected.

Self-cleaning design

The continuous flushing of water toward the air-entering face helps prevent clogging from dust and particulates.

Error-proof installation

Visual indicators ensure that GX35 is installed correctly every time.

GLASdek GX35

Performance

The unique design of the GX35 gives it robustness and durability, along with reliable cooling and humidification rates.

Up to 30% lower pressure drop

The GX35 is designed to disperse water evenly across the pad, enabling optimal cooling efficiency. Thanks to its unique, alternating flute heights, it offers up to a 30% lower pressure drop compared to conventional cooling media. This prevents overcooling by allowing lower airflow rates to achieve the desired cooling effect, which in turn reduces overall heat transfer and prevents excessive chilling.

Reduced water consumption

The design of the GX35 also reduces water evaporation and lowers gpm*, helping businesses achieve their sustainability goals.

Performance data

- Up to 30% lower pressure drop
- Consistent evaporative efficiency
- Low gpm*
- Maximum face velocity with DropSTOP™ droplet eliminator: 738 fpm**
- Carry over limit: 689 fpm***

* *Gallons per minute*
** *Feet per minute*
*** *Carry over limit at laminar airflow (without droplet eliminator)*

Savings

GLASdek GX35 is engineered for applications where cooling efficiency and energy savings are critical. This makes it ideal for data centers, the automotive industry, electronics manufacturing, and gas turbines, addressing the demand for sustainable cooling solutions in energy-intensive environments.

Improved Power Usage Effectiveness

The GX35 enables energy and water optimization by scaling down the excess cooling capacity of legacy installations. The media's low pressure drop saves energy and water while still achieving the needed cooling effect. The improved Power Usage Effectiveness (PUE) also allows for smaller, less expensive ventilation fans and pump hardware in new installations, thereby lowering installation costs.

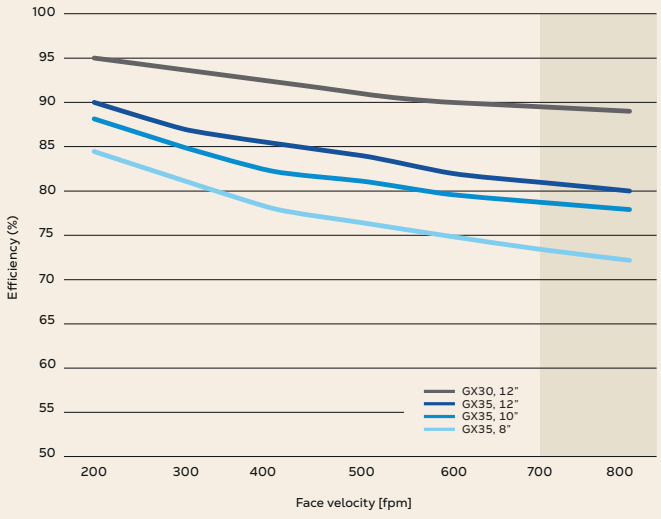
More stable cooling cycle

A solution for traditional media users whose cooling rates trigger short on/off cycles, GX35 offers a continuous, more stable cooling cycle. This reduces "wear and tear," extends the cooling media's service life, and improves energy savings by decreasing the frequency of start/stop cycles.

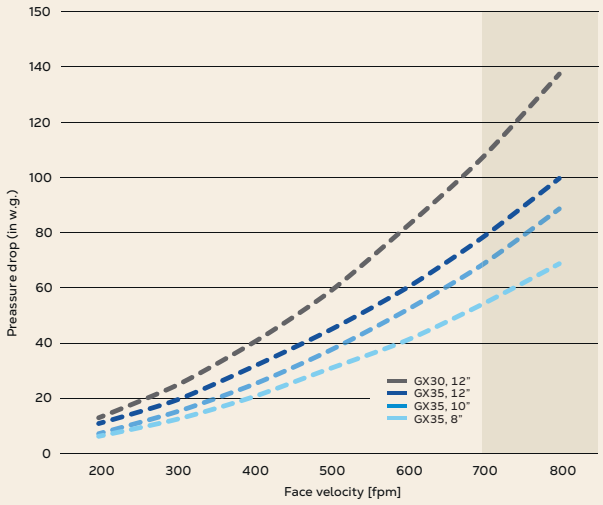
Cooling efficiency and pressure drop

(compared to GLASdek GX30)

Cooling efficiency



Pressure drop



Shaded area indicates the recommended operating range for DropSTOP (above 700 fpm)

GLASdek GX35

Standardized design with flexible media options

Designed as a simple, one-for-one replacement, the GX35 is available in the same depths as the original GX30, meaning no modifications are required to the AHU frame or water distribution system. The media can also be ordered according to customer specifications to replace pads from other manufacturers, allowing for a fast and easy upgrade of almost any type of system.

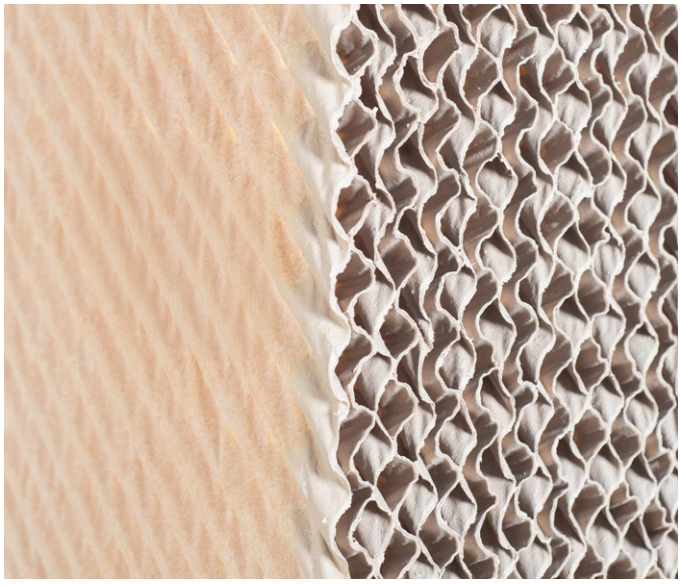
As an added benefit, the GX35 provides manufacturers of evaporative coolers with the option to offer their current systems with two types of cooling media: GX30 for maximum cooling performance and GX35 for maximum energy savings.

Flexibility

GLASdek GX35 provides a low-energy solution for both new installations and retrofitting projects, catering to a wide array of end-user needs.

Consistent quality

The patent-pending design of GX35 reinforces Munters' world-class innovation capabilities and more than 50 years of experience with evaporative cooling and humidification media. It is manufactured to meet rigorous quality standards in a proven and ISO-certified process where consistency is the top priority.



Built to last

The result is exceptional, reliable performance and the longest-lasting media in the market. This means less downtime and lower Total Cost of Ownership (TCO). Product longevity can be extended even further through site consultations with Munters support, to optimize installation and system performance.

Greener cooling

GLASdek GX35 is also GREENGUARD Gold certified, which means the chemical emissions from the material are extremely low. This makes GX35 an environmentally friendly option and safe to use in any building application.

Fire rated

The GLASdek GX35 is the right choice in situations where strict adherence to fire ratings is required, as it is made from a flame-retardant material fortified with special rigidifying agents. The media is Fire Rated UL900 and ULC-S111.

TUFedg™

Our optional TUFedg™ treatment is applied to the face of the GLASdek GX30 and GX35 media, which allows the media to be cleaned and scrubbed to remove dirt and mineral deposits. TUFedg is non-porous and quick-drying, and the material prevents algae and minerals from anchoring themselves to the substrate of the pad. This means that everything can be cleaned off without affecting the integrity of the pad itself. The pad is also protected from severe conditions and extended exposure to UV light, further prolonging the life of the media.

Global support and fast deliveries

Engineering and sales support are available globally, and customers benefit from Munters comprehensive stocking program and rapid order processing.

Standard dimensions	
Width:	12”, 24”
Depth:	8”, 10”, 12”
Height:	12”, 24”, 36”, 42”, 44”, 48”, 55”, 60”, 62”, 72”

The media can be cut to any divisor of the standard heights. Custom widths, depths up to 24”, and heights are available on request.

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