



Humidisorb

Moisture &
Corrosion Control



Humidisorb Packets are filled with a self-regenerating desiccant that can absorb and release enormous quantities of moisture from surrounding air without becoming saturated.

Moisture and Corrosion Control Packets provide the best protection against damage from relative humidity and corrosion for any enclosure or piece of equipment that is operating, in transit, or in storage.

Rapid Absorption Enhances Equipment Performance

When first placed in service, a packet of granules will begin rapid absorption of moisture. The packet will absorb at least five to ten times more moisture than the conventional desiccant before coming to equilibrium with the relative humidity (RH) of surrounding air. This will usually take several weeks to occur, even in very humid environments.

Auto Regeneration Cuts Costs

By absorbing moisture when the RH rises, and releasing some of the vapour phase moisture (regenerating) when the RH drops, the packet maintains a constant RH within the enclosure that is equal to the long-term average humidity.

“Five to ten times greater moisture absorbing capacity & auto regeneration”

KEY BENEFITS

- Helps improve safety of personnel and equipment
- Easy installation
- Economical
- Effective in frequently opened enclosures
- Non toxic

TECHNICAL SPECIFICATION

MODEL NUMBERING & ADDITIONAL PART NUMBERS

Part number	Packet size	Volume protected
HST 2x2 ¹	2" x 2"	200 cubic inches
HST 4x4 ¹	4" x 4"	2 cubic feet
HST 7x13 ²	7" x 13"	25 cubic feet

ORDERING INFORMATION

1. 2" x 2" and 4" x 4" packets are shipped standard in quantities of 10 units (packets) per poly-zip shipping bag. As an option, packets are available in individual, heat-sealed, poly shipping bags. To order this option, simply add "I" to the end of the part number, (i.e. HST 4x4-I). These are available in multiples of 10 units (packets) only. Prices reflect cost per individual unit (packet).

2. These are available in multiples of 5 units (packets) only. Prices reflect cost per individual unit (packet).

Packets are supplied with self-adhesive tape unless stated otherwise

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STORAGE & USAGE

Normally, these packets do not require replacement. During cycles of absorption and desorption the packet may change back and forth between putty-like and hard states. The packet may become putty-like as the granules absorb moisture and stick together. The granules, having once been putty-like, continue to stick together during periods of desorption; therefore, the packet may feel hard. This is a normal occurrence and will not alter the product's effectiveness.

Humidisorb packets are perfect for use in a typical electrical/electronic enclosure because with the ambient temperature changes inside each enclosure throughout the day, very large swings of RH can occur. Enclosure RH can spike to very high levels for short periods, especially early in the morning when temperatures are generally at their minimum. As the air inside the enclosure cools and contracts, moist external air is drawn into the enclosure. Moisture adsorbs on the cooler surfaces inside the enclosure.

When the ambient temperature rises, air within the enclosure expands and is forced out, leaving behind some of the adsorbed moisture. Most of the corrosion and stray electrical currents that occur in enclosures result from daily RH spikes. Humidisorb packets are designed to control the spikes by maintaining a constant, low level of humidity in an enclosure over long periods of time.

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