

  
**ATMOS**Science™  
DESICCANT

*The Dryness You Can Trust*

# WE ARE HERE TO REVOLUTIONIZE HOW YOUR PRODUCTS STAY DRY

Atmoscience Inc. is a California-based company providing humidity control solutions to farming, manufacturing, logistics, and packaging industries. It is one of the most innovative companies in the non-mechanical humidity control products and solutions markets. The scientist and founder of the company, Dr. Sandra Shen and her team currently own more than 40 patents worldwide (five in the U.S.A). They have accumulated more than 20 years of experience in serving numerous world-renowned companies in overcoming their challenges in humidity control and dryness protection.

We understand how moisture hurts the quality of garments. Garments deteriorate throughout their value chain, from manufacturing, warehousing, and transportation to retailing, if they are not made, packaged, and stored in a dry environment. Moisture causes odor, mold, and changes in size of garments, and hence losses to brands and pollution to the environment.

Atmoscience Desiccant is created with the brands along the garment value chain in mind. Our fiber desiccants are patented products that absorb more moisture than the existing desiccant products in the market. They are made of biodegradable materials and can be used repeatedly. They can also be made into your brand tags, providing discreet and effective moisture control that doesn't detract from the appearance of your product. Not only do they provide The Dryness You Can Trust, but they also give consumers another reason to love your brand.

We are revolutionizing how you keep your garment products dry. Speak to us today to find out how we can make a difference to your brand tomorrow.

# THE INVISIBLE DESICCANT

The desiccant that functions as a brand tag!



Brand Tag and Atmoscience  
Fiber Desiccant 2-in-1



We are so used to seeing desiccants lying around a newly bought garment yet the appearance of these conventional desiccants is nowhere close to attractive, contradicting the image you are trying to project for your brand the moment your customer opens the package. Atmoscience's Invisible Desiccant is going to change this.

- ☀ Made with biodegradable plant fiber and functions as your brand tag. Your consumers don't see any desiccant at all.
- ☀ Perfect for every piece of garment that comes with a brand tag.
- ☀ Your brand (tag) will stay in your customer's wardrobe forever since it is a reusable desiccant, and not just a tag (trash) to chuck into a bin after getting home.
- ☀ The brand tag (the invisible desiccant) will turn soft when it reaches its full capacity. Just air dry it until it turns hard again, then continue to use it as a desiccant.
- ☀ Can be cut into any shape you want your brand tag to be. Your brand is the boss, the desiccant is invisible.
- ☀ Moisture absorption capacity is 1.5 times its own weight at RH90% and 25 °C, which is 5 times higher than silica gel desiccants.
- ☀ Safe and reliable for consumers, as there is no risk of leakage.
- ☀ Patented in 2022.

# FLAT-SURFACE FIBER DESICCANT BAGS

Say goodbye to indentations on your garment products!



Atmoscience's innovative Desiccant Bag with Flat Surfaces is an ideal solution for protecting garments during storage and transportation. Unlike traditional silica gel-based desiccants that can leave unsightly indentations on clothes, our product uses only sheets of fiber. The flat surface of the fiber sheets ensures that no marks or impressions will be left on your garments, leaving them in pristine condition. Our Desiccant Bag is a must-have for those who demand the highest level of care for their clothes. Choose Atmoscience for the ultimate in garment protection.

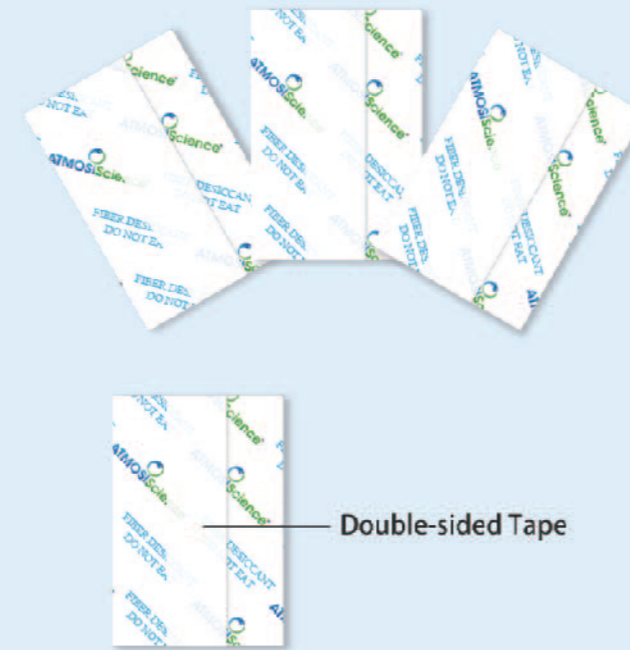
- ☀ Made with biodegradable plant fiber and have a flat surface, hence leaving no indentations on your garment products.
- ☀ Perfect for storage boxes for garment products.
- ☀ It is reusable hence reducing your storage and logistic costs.
- ☀ The Desiccant Bag will turn soft when it reaches its full capacity. Just air dry it until it turns hard again, then continue to use it.
- ☀ Can be cut into any size based on the size of the storage.
- ☀ Moisture absorption capacity is 1.5 times its own weight at RH90% and 25 °C, which is 5 times higher than silica gel desiccants.
- ☀ Safe and reliable, as there is no risk of leakage.
- ☀ Patented in 2022.



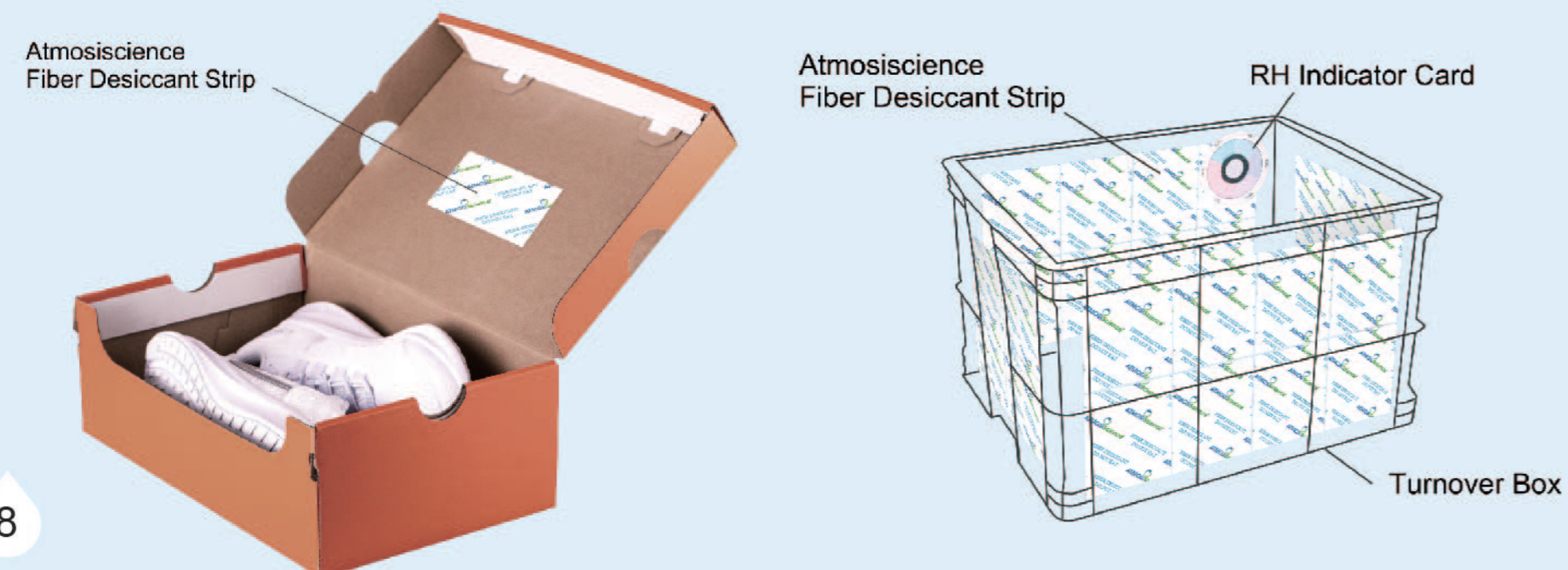
NOTE: Please see Pg. 12 for recommended usage of Atmoscience Fiber Desiccant in boxes.

# THIN FIBER DESICCANT STRIP

Desiccant that takes up almost no space and you can stick it anywhere!



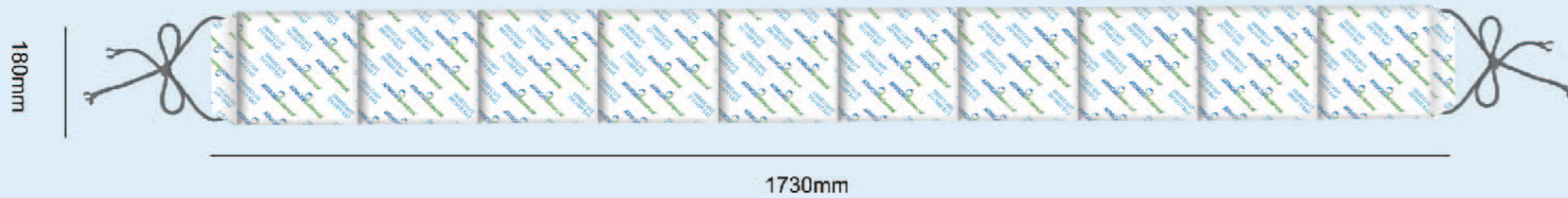
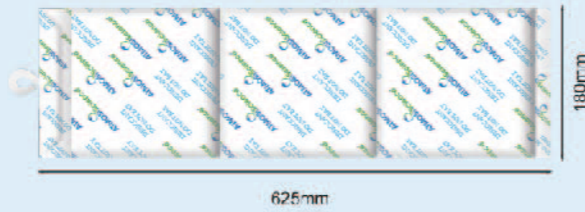
Our patented fiber makes it possible for garment brand owners to protect their products anytime, anywhere. This Desiccant Strip is less than 2mm thick, yet it is highly effective at absorbing moisture and preventing mold and mildew growth. With its ability to stick to any surface and stay in place, it is perfect for turnover boxes and any products that come with a box, e.g. shoes. You can choose to include our state-of-the-art Relative Humidity (RH) Indicator Card in the boxes too, which functions as a hygrometer on paper and tells you the RH level in the box at all times.



- ☀ Made with biodegradable plant fiber.
- ☀ It is less than 2 mm thick hence takes up almost no space.
- ☀ It comes with a sticker so can stick to any surface and stay put.
- ☀ Perfect for turnover boxes and any products that come with a box, e.g. shoes.
- ☀ RH Indicator Cards make the RH level in the box visible at all times.
- ☀ Moisture absorption capacity is 1.5 times its own weight at RH90% and 25°C, which is 5 times higher than silica gel desiccants.
- ☀ Safe and reliable, as there is no risk of leakage.
- ☀ Patented in 2022.

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# SHIPPING CONTAINER DESICCANT FOR GARMENTS



## Recommended Usage

Item	Container	Quantity
HDTW-1000	20GP	4-6pcs
	40GP	6-12pcs

- ☀ Made of Calcium Chloride and polymers.
- ☀ 1kg/ piece, with a hook for easy hanging inside the container.
- ☀ Turn into gel form when it reaches its full capacity.
- ☀ Moisture absorption capacity is 2 to 3 times its own weight at RH95% and 45 °C, which is 8 to 10 times higher than silica gel desiccants.

### Recommended Usage of Fiber Desiccant in Boxes

Size of Box (m <sup>3</sup> )	Atmoscience Fiber Desiccant (g)
< 0.01	2
0.01-0.049	5
0.05-0.099	10
0.10-0.34	25
0.35-0.59	50
0.60-0.79	75
0.80-1.0	100

### MOISTURE ABSORPTION CAPACITY FOR 1KG OF DESICCANT AT RH90% AND 25°C

Material of Desiccant	Moisture Absorbed
Silica Gel	300ml 
Atmoscience's Patented Fiber	1500ml 
Calcium Chloride	1500ml 

### MOISTURE ABSORPTION CAPACITY FOR 1KG OF DESICCANT AT RH95% AND 45°C

Material of Desiccant	Moisture Absorbed
Silica Gel	300ml 
Atmoscience's Patented Fiber	2400ml 
Calcium Chloride	3000ml 

**We revolutionize how you keep your garment products dry.**

Email us at [info@atmoscience.com](mailto:info@atmoscience.com) today!