

ACTIVE CONTAINERS FOR NUTRACEUTICALS



PROTECTION OF NUTRACEUTICALS AGAINST MOISTURE

Many dietary supplements and probiotics require proper packaging to be protected against moisture and avoid degradation. Taking advantage of its expertise in packaging design for healthcare market, Airnov Healthcare Packaging has developed an active and ergonomic range of flip-top containers to package and protect nutraceuticals.

To meet a variety of needs, moisture protection is integrated either as a raw desiccant or via Airnov's Advanced Desiccant Polymer (ADP®).

- **HAT®-SNAP : Container + Standard Tamper-Evident Desiccant Stopper**

- Easy-snapping of the closure onto the container
- Tamper-evident closure
- Desiccant is customizable with silica gel, molecular sieve, or a combination of both to achieve desired performance



- **HAT®-IN SNAP : Container + ADP® Insert + Tamper-Evident Stopper**

- Easy-snapping of the closure onto the container
- ADP® Insert: Desiccant is embedded into polymer matrix for direct integration into container walls
- Tamper-evident closure
- Closure allows additional volume inside container



- **HAT®-IN : Container with Built-in Closure + ADP® Insert**




- ADP® Insert: Desiccant is embedded into polymer matrix for direct integration into container walls
- Closure is pre-assembled to container
- Container is delivered closed for minimal exposure of desiccant during drug's filling
- Closure allows additional volume inside container



While convenient and differentiating, the active container range is designed for easy grasping, handling, and opening, increasing consumer appeal and the likelihood of closure for prolonged protection.

The product line's flip-top closure is specifically designed to fit directly with the container for a tight package to optimally control moisture vapor transmission into the package. Whether integrated in the closure or in the ADP® matrix of the insert, the desiccant adsorbs any headspace moisture as well as any moisture that ingresses during shelf life.

Primary features:

	 HAT®-SNAP	 HAT®-IN SNAP	 HAT®-IN
<i>Adapted for automated filling lines</i>	✓	✓	✓
<i>Easy grasping</i>	✓	✓	✓
<i>Easy opening</i>	✓	✓	✓
<i>UV protection</i>	✓	✓	✓
<i>Tamper evidence</i>	✓	✓	✓
<i>Embedded desiccant</i>		✓	✓
<i>Specific features</i>	Customizable sorbent	Added volume	Integrated package

Regulatory statement for US FDA, China FDA and European regulations are available upon request.

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