

Product Sheet

DESICCANT CANISTERS

RIGID DESICCANTS
FOR HIGH SPEED
AUTOMATIC
INSERTION



Purpose

Desiccant canisters enhance the stability of pharmaceutical and nutraceutical products by preventing moisture degradation, thereby extending shelf life and efficacy.

What are they?

Desiccant canisters are small, rigid, cylindrical containers filled with specialized moisture adsorbers, such as bentonite, silica gel and molecular sieve. They can also contain activated carbon to control odors.

These drop-in style desiccants are available in sizes ranging from 0.5 gram to 3 grams. Clariant injection molds and manufactures desiccant canisters in state-of-the-art production facilities.

Why use them?

Water, via hydrolytic degradation, is a major pathway for destabilization of many active pharmaceutical ingredients, shortening shelf life and efficacy. Furthermore, moisture can also degrade nutritional products as well as sensitive enzymatic reagents in diagnostic devices. Desiccant canisters help prevent moisture damage by adsorbing free water within package headspace as well as any moisture that gains ingress via Moisture Vapor Transmission.

Desiccant canisters from Clariant are the most widely used canisters in the pharmaceutical industry. Because of their rigid design, desiccant canisters are ideal for automatic, high-speed insertion into pharmaceutical and nutraceutical bottles. While desiccant packets are fed from a reel and can require periodic line stoppages, desiccant canisters are fed through a hopper system, allowing for seamless, constant insertion.

Clariant manufactures canisters that meet relevant US FDA standards for direct food contact. The systems used to ensure quality of Clariant's desiccant canisters include electronic vision inspection that ensure relevant specification parameters are met for each canister.

CLARIANT INTERNATIONAL LTD
Healthcare Packaging
– BL Medical Specialties

Europe
Phone: +33 1 41 76 20 00
healthpack.eu@clariant.com

Americas
Phone: +1 909 825 1793
healthpack@clariant.com

Australia
Phone: +61 247 321 421
healthpack.au@clariant.com

Asia
Phone: +86 (0) 21 6218 9556, 6218 4480
healthpack.as@clariant.com

India
Phone: +91 22 2207 5133
healthpack.in@clariant.com

CLARIANT.COM/HEALTHPACK

COPYRIGHT ©
CLARIANT INTERNATIONAL LTD 2014

Available Configurations

Desiccant canisters are available in both printed and labeled configurations, in standard sizes from 0.5 gram to 3 grams.

Both printed and labeled canisters are available in the following standard desiccant types:

Sorbent Types

Clariant Brand	Sorbent Type
Desi Can [®] :	Bentonite (moisture adsorption)
Sorb-It [®] :	Silica gel (moisture adsorption)
Tri-Sorb [®] :	Molecular sieve (moisture adsorption)
Getter Can [®] :	Activated carbon (odor control)
2-in-1 Can [®] :	Desiccant + activated carbon (moisture and odor control)

Key Advantages

- Canisters are ideal for automatic, high-speed insertion into pharmaceutical and nutraceutical bottles and packaging.
- Vision inspection systems are used to ensure each canister meets specifications.
- Desiccant canisters meet US FDA standards for direct contact with food and drugs



(L) Desiccant canisters are available in a variety of sizes and fills, including bentonite, silica gel and activated carbon.

(R) Desiccant canisters are designed for continuous-feed and high-speed automatic insertion.

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. * Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

* For sales to customers located within the United States and Canada the following applies in addition: NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

