

DESICCANTS

MOISTURE, ODOR, OXYGEN ABSORBERS

Quadra is a full service distributor with strategically located warehouses throughout Canada and USA. Our strong relationships with supply partners enable us to provide competitive products and services to satisfy all our customers needs. Our in-house Regulatory Team provides advice and assistance, and our dedicated Team of technical Sales and Marketing has the knowledge and experience to help our customers resolve any complex issues.

Purpose

Desiccants and oxygen absorbers protect products from moisture, odor and oxygen in a wide range of industries including pharmaceutical, nutraceuticals, food and diagnostics.

What are they?

Desiccants come in multiple forms including packets, canisters and bags. Both packets and canisters come in a variety of active fills including bentonite clay, silica gel and molecular sieve. Desiccants can also contain activated carbon which controls odor. Carbon can also come in a blend with silica gel to protect from both odor and moisture.

Canister or Packets?

Packets and canisters provide the same level of performance. Canisters come in sizes 0.5 gram to 3 gram. Packets come in sizes .25 gram to 10 gram. Packets can come precut for manual insertion or on reels for automated insertion. Canisters can also be inserted by automation.

Desiccants Bags for Bulk Protection

Desiccant bags protect bulk products from moisture during shipping and storage. Desiccant bags come in two fills: silica gel or bentonite clay. The fill in desiccants bags are often measured in Units (One Unit of desiccant is equal to 26 grams of silica gel or 33 grams of bentonite clay).

Oxygen Absorbers

PharmaKeep® is an innovative and unique line of polymer-based oxygen absorbers that are humidity neutral. Unlike traditional iron-based oxygen scavengers, PharmaKeep® requires no moisture to react.

Available as canisters, packets and bags, PharmaKeep® oxygen absorbers protect pharmaceutical, nutraceutical and diagnostic products from oxygen degradation and oxidative reactions, thus extending the shelf life. Because they do not require humidity to function, PharmaKeep® can be used in conjunction with desiccants.



SPECIALIZES IN SUPPLYING:

- EXCIPIENTS
- DESICCANTS
- OXYGEN ABSORBERS
- HARD SHELL CAPSULES
- HERBAL EXTRACTS
- API'S



1.800.665.6553
quadraingredients.ca

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Aroma Cans - Available in three aromas: Vanilla, Orange, & Citrus. Adds a pleasant aroma to nutritional packaging, masking unwanted odors and enhancing product appeal.

Desiccant Washers - Desiccant washers are integrated into pharmaceutical closures by efficiently snapping them into standard threaded caps. Washers can also be independent of the cap allowing for easy removal, as is the case for applications involving suspension drugs that require reconstitution. The desiccant integrated into the closure absorbs any headspace moisture as well as any moisture that makes ingress into the package.



Silica Gel in Tyvek and Canisters			
Gram Size	Bag Dimension (mm)	Protects (Cubic-In)	Per Case / Spool
0.25	16x28	1.50	20,000 / 15,000
0.5	16x35	3.05	15,000 / 12,000
1	19x42	6.10	10,000 / 6,500
2	25x51	12.20	5,500 / 5,000
3	25x60	24.40	4,500 / 3,500
5	34x65	45.75	2,500 / 1,800
10	34x90	91.50	1,300

Unit Packs	
Unit Size	Protects (Cubic-In)
1/3 Unit	476
1/2 Unit	715
1 Unit	1,429
2 Unit	2,857
4 Unit	5,714

Oxygen Absorbers	
Size (cc)	Sachet Dimensions (mm)
20	25x45
30	30x45
50	40x45
100	50x65
500	75x80
1000	75x95
2000	100x115

Dri-Card 0.5mm (Thick)		
Card Size (mm)	Silica Gel Equivalent	Per Case
25x50	1.3 gram	10,000
40x40	1.6 gram	28,800
50x50	2.5 gram	19,200
60x60	3.7 gram	12,000
85x85	7.5 gram	5,600



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