



Pillow Paks

Desiccare's Pillow Pak line consists of a wide variety of sizes, configurations, and substrates. Pillow Paks can be used to absorb moisture vapor, odor or gas. Custom blends are available and can be used as a multifunction (two in one) package. Example: 50/50 blend silica gel and carbon for moisture and odor.

Sizes:

Available in 1/4, 1/2, 3/4, 1, 1.5, 2, 3, 4, 5, 7, 10, 12 or 14 grams

Desiccant Material:

Silica Gel, Indicating Silica Gel, Clay, Molecular Sieve and Carbon

Substrates:

Tyvek® (FDA Approved), Melfit non-woven or Clear View Pak

Packaged:

1 gallon can or 10 gallon container

Wide Variety of Applications:

Pharmaceutical, electronics, diagnostic kits, foods, clothing, powders, vitamins, consumer products, parts, etc.



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With the use of light sensor equipment, which is standard on desiccant dispensing machines, the desiccant pouches are cut or pulled apart on line. Automating desiccant incursion results in dispensing speeds up to 240 bags per minute increasing production times.

Continuous Strip Pillow Paks

Desiccare offers a complete line of Continuous Strip Pillow Paks for use with desiccant pouch feeding systems. Our Continuous Strip Pillow Pak line of products are wound on a spool and are available in sizes ranging from 0.25 grams to 5 grams. This product is available in silica gel, clay, molecular sieve, activated carbon and custom blends.



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Applications

Key Markets:

Electronic Components Packaging, Machine Parts, Military Instruments & Armaments, Motors, Pharmaceutical, Circuit Boards, Relays & Communication Devices, Oceanographic Devices, Instruments, Optical Devices, Photographic Equipment, Film, Batteries, Safes, Vitamins, Diagnostics, Medical Equipment, Foodstuffs, Clothing, Consumer Products, Powders, Diagnostic Test Kits, Automobile Parts, Computers, Aerospace, Rolled Steel, Steel Parts, Motorcycles, Crates

How are Desiccants Best Utilized?

To be most effective desiccants should be used within a closed / sealed moisture barrier or a rigid, sealed container. This allows the desiccant to absorb the trapped moisture vapor inside of the package. Products should be packaged in a manner that does not allow additional water vapor in the enclosed environment. Often a Humidity Control Card is placed inside the package to show humidity levels and indicate when the desiccant needs to be replaced.

Determining Types and Quantities of Required Desiccant

1. Identify the type of container or bag the product is packaged in
2. Calculate the volume or area of the container
3. Determine the amount of desiccant required using the "Desiccant Requirement Chart" (see chart on the opposite page)
4. Select the type of desiccant to fit the application based on one of the following:
 - Amount of moisture to be absorbed
 - Permeability of packaged material
 - Temperature and humidity
 - Rate of absorption required
 - Requires container shelf life
 - Shipping and storage conditions
 - Cost

Often customers will use more desiccant than is required as a safety measure. Desiccants provide low cost insurance.

Comparison Chart

Material	Absorption Rate	Absorption Capacity by weight	Cost
Clay	Moderate	28%	Low
Silica Gel	Moderate	38%	Medium
Molecular Sieve	Fast	20%	High

Pillow Paks

Container Size Cubic CM	Required Amount (grams)		
	Silica Gel	Activated Carbon	S.G./Carb (50/50)
30	1/8	1/4	1/4
40	1/4	1/4	1/4
50	1/2	1/4	1/4
60	1/2	1/2	1/2
75	3/4	1/2	1/2
100	1	1	1
150	1	1	1
200	2	2	2
300	2	2	2
400	3	2	3
500	3	2	3
750	5	2	5
950	5	5	5

Desiccant Requirement Chart



Desiccants should be stored inside of an airtight container. The container we use to ship desiccants satisfies this requirement.

Due to the moisture adsorbent properties of desiccants, certain precautions should be taken:

1. Remove lid slowly to vent air
2. Do not open container for a period longer than is absolutely necessary for withdrawals
3. Reseal lid immediately after any withdrawals

Standard Packaging

Container	1 Gallon Can (d x h)	5 Gallon Pail (d x h)	10 Gallon Drum (d x h)	10 Gallon Hex Box	30 Gallon Drum (d x h)
Dim	6.625 x 7.5"	12 x 15.75"	14.75 x 16.75"	16.25 x 16.5"	19.5 x 27.25"
Pallet Qty	N/A	48	30	24	10

Pillow Paks / Silica Gel

Part Number	Grams	Dims (L x W inches)	Quantity	Container	Weight (lbs)
01AA11A15	.25	1.0 X 0.625	30,000	10 Gal Drum	28
01AA11A12	.25	1.0 X 0.625	3,000	1 Gal Can	6
01AB11A15	.50	1.25 x 0.625	20,000	10 Gal Drum	34
01AB11A12	.50	1.25 x 0.625	2,000	1 Gal Can	6
01AC11A15	.75	1.219 x 0.625	15,000	10 Gal Drum	30
01AC11A12	.75	1.219 x 0.625	1,500	1 Gal Can	6
01AD11A15	1.00	1.5 x 0.875	10,000	10 Gal Drum	33
01AD11A12	1.00	1.5 x 0.875	1,000	1 Gal Can	6
01AD11A16	1.00	1.5 x 0.875	30,000	30 Gal Drum	86
01AF11A15	1.50	1.75 x 0.875	9,000	10 Gal Drum	41
01AF11A12	1.50	1.75 x 0.875	900	1 Gal Can	6
01AH11A15	2.00	1.844 x 0.906	6,000	10 Gal Drum	38
01AH11A12	2.00	1.844 x 0.906	600	1 Gal Can	6
01AL11A15	3.00	2.313 x 0.906	5,000	10 Gal Drum	42
01AL11A12	3.00	2.313 x 0.906	500	1 Gal Can	6
01AP11A15	5.00	2.875 x 0.968	3,000	10 Gal Drum	42
01AP11A12	5.00	2.875 x 0.968	300	1 Gal Can	6
01AT11A15	7.00	2.5 x 1.375	2,000	10 Gal Drum	38
01AT11A12	7.00	2.5 x 1.375	200	1 Gal Can	6
01AZ11A15	10.00	3.344 x 1.375	1,500	10 Gal Drum	43
01AZ11A12	10.00	3.344 x 1.375	150	1 Gal Can	6
01BA11A15	12.00	3.5 x 1.5	1,250	10 Gal Drum	42
01BA11A12	12.00	3.5 x 1.5	125	1 Gal Can	6
01BB11A15	14.00	3.75 x 1.5	1,200	10 Gal Drum	45
01BB11A12	14.00	3.75 x 1.5	120	1 Gal Can	6

Handling and Storage



Pillow Paks / Clay

Part Number	Grams	Dims (L x W inches)	Quantity	Container	Weight (lbs)
01AA10A15	.25	1.0 X 0.625	30,000	10 Gal Drum	28
01AA10A12	.25	1.0 X 0.625	3,000	1 Gal Can	6
01AB10A15	.50	1.25 x 0.625	20,000	10 Gal Drum	34
01AB10A12	.50	1.25 x 0.625	2,000	1 Gal Can	6
01AC10A15	.75	1.469 x 0.688	15,000	10 Gal Drum	31
01AC10A12	.75	1.469 x 0.688	1,500	1 Gal Can	6
01AD10A15	1.00	1.5 x 0.875	10,000	10 Gal Drum	33
01AD10A12	1.00	1.5 x 0.875	1,000	1 Gal Can	6
01AF10A15	1.50	1.75 x 0.875	9,000	10 Gal Drum	43
01AF10A12	1.50	1.75 x 0.875	900	1 Gal Can	6
01AH10A15	2.00	1.844 x 0.906	6,000	10 Gal Drum	34
01AH10A12	2.00	1.844 x 0.906	600	1 Gal Can	6
01AL10A15	3.00	2.313 x 0.906	5,000	10 Gal Drum	41
01AL10A12	3.00	2.313 x 0.906	500	1 Gal Can	6
01AP10A15	5.00	2.875 x 0.968	3,000	10 Gal Drum	42
01AP10A12	5.00	2.875 x 0.968	300	1 Gal Can	6
01AT10A15	7.00	2.5 x 1.375	2,000	10 Gal Drum	38
01AT10A12	7.00	2.5 x 1.375	200	1 Gal Can	6
01AZ10A15	10.00	4.0 x 1.469	1,500	10 Gal Drum	43
01AZ10A12	10.00	4.0 x 1.469	150	1 Gal Can	6
01BA10A15	12.00	3.5 x 1.5	1,250	10 Gal Drum	42
01BA10A12	12.00	3.5 x 1.5	125	1 Gal Can	6
01BB10A15	14.00	3.75 x 1.5	1,200	10 Gal Drum	45
01BB10A12	14.00	3.75 x 1.5	120	1 Gal Can	6

Pillow Paks / Molecular Sieve

Part Number	Grams	Dims (L x W inches)	Quantity	Container	Weight (lbs)
01AA12A15	.25	1.0 x 0.625	30,000	10 Gal Drum	24
01AA12A12	.25	1.0 x 0.625	3,000	1 Gal Can	6
01AB12A15	.50	1.25 x 0.625	20,000	10 Gal Drum	32
01AB12A12	.50	1.25 x 0.625	2,000	1 Gal Can	6
01AC12A15	.75	1.219 x 0.688	15,000	10 Gal Drum	28
01AC12A12	.75	1.219 x 0.688	1,500	1 Gal Can	6
01AD12A15	1.00	1.531 x 0.875	10,000	10 Gal Drum	32
01AD12A12	1.00	1.531 x 0.875	1,000	1 Gal Can	6
01AF12A15	1.50	1.75 x 0.875	9,000	10 Gal Drum	37
01AF12A12	1.50	1.75 x 0.875	900	1 Gal Can	6
01AH12A15	2.00	1.844 x 0.906	6,000	10 Gal Drum	34
01AH12A12	2.00	1.844 x 0.906	600	1 Gal Can	6
01AL12A15	3.00	2.313 x 0.906	5,000	10 Gal Drum	40
01AL12A12	3.00	2.313 x 0.906	500	1 Gal Can	6
01AP12A15	5.00	2.875 x 0.968	3,000	10 Gal Drum	45
01AP12A12	5.00	2.875 x 0.968	300	1 Gal Can	6
01AT12A15	7.00	2.5 x 1.375	2,000	10 Gal Drum	38
01AT12A12	7.00	2.5 x 1.375	200	1 Gal Can	6
01AZ12A15	10.00	3.344 x 1.375	1,500	10 Gal Drum	41
01AZ12A12	10.00	3.344 x 1.375	150	1 Gal Can	6
01BA12A15	12.00	3.5 x 1.5	1,250	10 Gal Drum	41
01BA12A12	12.00	3.5 x 1.5	125	1 Gal Can	6
01BB12A15	14.00	3.75 x 1.5	1,200	10 Gal Drum	45
01BB12A12	14.00	3.75 x 1.5	120	1 Gal Can	6

Handling and Storage

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Pillow Paks / Activated Carbon

Part Number	Grams	Dims (L x W inches)	Quantity	Container	Weight (lbs)
01AA13A19	.25	1.375 x 0.75		Carton	17
01AA13A12	.25	1.375 x 0.75		1 Gal Can	5
01AB13A19	.50	1.5 x 0.75	12,500	Carton	16
01AB13A12	.50	1.5 x 0.75	1,250	1 Gal Can	5
01AC13A19	.75	1.625 x 0.75	10,000	Carton	19
01AC13A12	.75	1.625 x 0.75	1,000	1 Gal Can	5
01AD13A19	1.00	1.875 x 0.875	8,000	Carton	25
01AD13A12	1.00	1.875 x 0.875	800	1 Gal Can	5
01AF13A19	1.50	2.125 x 0.875	7,000	Carton	25
01AF13A12	1.50	2.125 x 0.875	700	1 Gal Can	5
01AH13A19	2.00	2.344 x 1.031	5,000	Carton	24
01AH13A12	2.00	2.344 x 1.031	500	1 Gal Can	5
01AP13A19	5.00	3.0 x 1.5	2,000	Carton	26
01AP13A12	5.00	3.0 x 1.5	250	1 Gal Can	5

Larger sizes available upon request.

Pillow Paks / Activated Carbon 50%, Silica Gel 50%

Part Number	Grams	Dims (L x W, inches)	Quantity	Container	Weight (lbs)
01AB16A19	.50	1.5 x 0.625	13,000	Carton	34
01AB16A12	.50	1.5 x 0.625	1,300	1 Gal Can	6
01AD16A19	1.00	1.875 x 0.875	10,000	Carton	33
01AD16A12	1.00	1.875 x 0.875	1,000	1 Gal Can	6
01AH16A19	2.00	2.125 x 1	6,000	Carton	38
01AH16A12	2.00	2.125 x 1	500	1 Gal Can	6
01AL16A19	3.00	2.469 x 1	4,000	Carton	35
01AL16A12	3.00	2.469 x 1	400	1 Gal Can	6
01AP16A19	5.00	2.906 x 1.5	3,000	Carton	36
01AP16A12	5.00	2.906 x 1.5	300	1 Gal Can	6

Larger sizes available upon request.

Pillow Paks / Indicating Silica Gel (Clear)

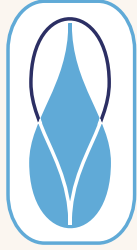
Please call for Available Sizes

Unit Paks / Clay (Tyvek®)

Part Number	Units	Dims (L x W inches)	Quantity	Container	Weight (lbs)
02BS10A13	1/6	2.625 x 2.25	1200	5 Gal Pail	20
02BK10A13	1/3	2.875 x 2.125	700	5 Gal Pail	23
02BL10A13	1/2	3.625 x 2.125	550	5 Gal Pail	24
02BM10A16	1	4.5 x 3	1800	30 Gal Drum	157
02BM10A13	1	4.5 x 3	300	5 Gal Pail	28
02BN10A16	2	4.5 x 5	800	30 Gal Drum	135
02BN10A13	2	4.5 x 5	150	5 Gal Drum	32
02BO10A16	4	6.25 x 5	500	30 Gal Drum	156
10BQ10A16	8	8.25 x 4.5	300	30 Gal Drum	194
10BR10A16	16	11 x 4.5	150	30 Gal Drum	184



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