

HUMI DRI DESICCANTS



Product Description

Humi Dri is high-quality desiccants that protect goods from damage due to moisture and gases. Available in different materials, Humi Dri sachet packaging can be made from paper, Tyvek, Clear Plastic, DL Paper, KF Paper, Packtex, Hard Paper, Heatlon, Kraft Paper, Sewn Bags and Tear-Proof (TP) Fabric. Humi Dri can also come in Spool, Canister, Loose Form, Plastic Tablet, Sachet, Strip and Plastic Tablet.

The desiccant products are able to come in various forms:

- Tin container
- Carton box
- Fibre drum
- Plastic bottle

In addition, the desiccants available in Humi Dri sachets includes :

- Non-indicating Silica Gel
- Activated Alumina
- Activated Carbon
- Activated Clay
- Molecular Sieve
- Orange-indicating Silica Gel
- Blue-indicating Silica Gel

The customisation is available as well. For example, you can mix Non-indicating Silica Gel and Orange-indicating Silica Gel.

Speak to our experts for more information today!

Industries Served

- Apparel And Accessory Packaging
- Electronics
- Food And Beverage
- Healthcare
- Personal Products
- Pharmaceuticals



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Silica Gel

- Able to absorb up to 40% of its weight
- Performs best at 21 - 32 degrees room temp and 60 -90 percent RH
- Able to bring RH (relative humidity) down to 40%
- Odorless and non - reactive to chemicals

Types of Silica Gel

- Orange - Indicating Silica Gel
- Blue Indicating Silica Gel
- White / Non-Indicating Silica Gel
- White & Orange Indicating Silica Gel
- White & Blue Indicating Silica Gel

Blue indicating silica gel

- Absorbs moisture and turns from blue to pink once max. capacity is reached
- Suitable for use with non-dusting packing, electronic equipment and in applications with visual moisture controls.
- Contains cobalt chloride

Orange indicating silica gel

- Contains a safe organic indicator called methyl-violet that changes from orange to green once saturated with water vapour.
- Alternative to Blue Indicating Silica Gel
- Heavy metal free
- Environmentally friendly
- Non- corrosive, and non-toxic
- Meant for a range of 'applications including food and pharmaceutical consumables.

Non-indicating silica gel

- Does not change color when saturated with water vapour.
- Clear/transparent/white in colour
- Once saturated and pores are filled with moisture, the desiccant gradually turns hazy or milky in whiteness.
- Tasteless & odourless
- Non-reactive to chemicals
- Non- corrosive, and non-toxic
- Safe to be packed with food product.

• Customers can purchase Humi Dri - Silica Gel by mixing Non-indicating Silica Gel with either Blue or Orange Indicating Silica Gel.



Molecular sieve

- Suitable in machinery applications where temp. is as high as 300 degrees celsius
- Eliminates/Filters moisture and gases
- Absorbs up to 22% of it's own weight
- Can be used to control moisture levels

Activated Clay

- Absorbs water vapour and controls moisture
- Absorbs up to 75% of it's weight in water vapour
- Safe, odourless, chemically inert, non-corrosive, and non-toxic.
- When temperature exceeds 50°C, the adsorbed moisture is released back to the environment.
- Natural

Activated Alumina

- Used as a desiccant and a filter for fluoride, arsenic and selenium in drinking water
- Used for adsorption of catalysts in polyethylene production and in hydrogen peroxide production and any similar catalyst applications
- Acts as selective adsorbent for chemicals including arsenic, fluoride and in sulphur removal from gas streams (Claus Catalyst process).
- Water molecules is trapped in the alumina., handlers can release the trapped water molecules by heating the desiccant to ~200 °C.
- Widely used to remove fluoride from drinking water, the ideal pH for treatment is 5.5, which allows for up to a 95% removal rate.
- Used In high vacuum applications. It works as a charge material in fore-line traps to prevent oil generated by rotary vane pumps from back streaming into the system.

Activated Carbon

- Highly porous substance used for the purification treatment of water, air, and gases, as well as odour control
- Has a large surface area of 800 to 1,200 m² per gram.
- Cost-effective way to treat large volumes of gas or water with little concentrations of contaminants
- Can be used in food production and industrial processes.



Selection Guide (How much do you need?)

Volume			Area		Units Required
CUBIC INCHES	CUBIC FEET	GALLONS	SQUARE INCHES	SQUARE FEET	
237	0.14	1.1	15	0.1	1/6
476	0.28	2.1	30	0.2	1/3
715	0.42	3.2	45	0.3	1/2
1,429	0.83	6.2	90	0.6	1
2,857	1.67	12.5	180	1.3	2
4,286	2.5	18.7	270	1.9	3
5,714	3.33	25	360	2.5	4
7,143	4.17	31.2	450	3.1	5
8,571	5	37.4	540	3.8	6
10,000	5.83	43.6	630	4.4	7
11,423	6.67	50	720	5	8
12,857	7.5	56.1	810	5.6	9
14,285	8.33	62.3	900	6.3	10
17,143	10	74.8	1,080	7.5	12
20,000	11.57	87.3	1,260	8.8	14
22,857	13.33	99.7	1,440	10	16
28,571	16.67	125	1,800	12.5	20
42,857	25	187	2,700	18.8	30
57,143	33.33	249	3,600	25	40
71,429	41.67		4,500	31.3	50
85,714	50		5,400	37.5	60
100,000	58.3		6,300	43.8	70
114,286	66.67		7,200	50	80

*A unit of desiccant refers to its drying capacity, not its volume. A unit (approx. One ounce) is the amount of Montmorillonite Clay which will adsorb at least three grams of water vapour at 20% relative humidity and at least six grams of water vapour at 40% relative humidity at 77 °F(25 °C)



Product specifications

Non - Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHAW0/SP1	0.5 gm	Paper	7000PKT/TIN
DHAW001A1	1 gm	Plastic	4500PKT/TIN
DHAW001H1	1 gm	Heatlon	4000PKT/TIN
DHAW001P1	1 gm	Paper	5000PKT/TIN
DHAW001T1	1 gm	Tyvek	6000PKT/TIN
DHAW002A1	2 gm	Plastic	3000PKT/TIN
DHAW002T1	2 gm	Tyvek	2500PKT/TIN
DHAW003A1	3 gm	Plastic	2500PKT/TIN
DHAW003H1	3 gm	Heatlon	2000PKT/TIN
DHAW003P1	3 gm	Paper	2000PKT/TIN
DHAW005A1	5 gm	Plastic	1500PKT/TIN
DHAW005H1	5 gm	Heatlon	1500PKT/TIN
DHAW005P1	5 gm	Heatlon	1500PKT/TIN
DHAW005T1	5 gm	Tyvek	1500PKT/TIN
DHAW006A1	6 gm	Plastic	1400PKT/TIN
DHAW010A1	10 gm	Plastic	1000PKT/TIN
DHAW010H1	10 gm	Heatlon	800PKT/TIN
DHAW010P1	10 gm	Paper	800PKT/TIN
DHAW010P2	10 gm	Paper	800PKT/TIN
DHAW010T1	10 gm	Tyvek	800PKT/TIN
DHAW020A1	20 gm	Plastic	400PKT/TIN
DHAW020H1	20 gm	Heatlon	400PKT/TIN
DHAW030H1	30 gm	Heatlon	300PKT/TIN
DHAW030T1	30 gm	Tyvek	300PKT/TIN

Non - Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHAW045H1	45 gm	Heatlon	150PKT/TIN
DHAW050H1	50 gm	Heatlon	200PKT/TIN
DHAW050T1	50 gm	Tyvek	300PKT/CTN
DHAW02UT1	66 gm	Tyvek	150PKT/TIN
DHAW070H1	70 gm	Heatlon	120PKT/TIN
DHAW075F1	75 gm	TP Fabric	200PKT/CTN
DHAW100F1	100 gm	TP Fabric	100PKT/TIN
DHAW100H2	100 gm	Heatlon	100PKT/TIN
DHAW100T1	100 gm	Tyvek	100PKT/TIN
DHAW150H1	150 gm	Heatlon	70PKT/TIN
DHAW200F1	200 gm	TP Fabric	50PKT/TIN
DHAW200H1	200 gm	Heatlon	50PKT/TIN
DHAW250F1	250 gm	TP Fabric	40PKT/TIN
DHAW250F2	250 gm	TP Fabric	40PKT/TIN
DHAW500B1	500 gm	Plastic Bottle	BOTTLE
DHAW500F1	500 gm	TP Fabric	20PKT/TIN
DHAW500H1	500 gm	Heatlon	20PKT/TIN
DHAW16UT1	528 gm	Tyvek	30PKT/CTN
DHAW900B1	900 gm	Plastic Bottle	BOTTLE
DHAW1/0B1	1 Kg	Plastic Bottle	BOTTLE
DHAW1/0F1	1 Kg	TP Fabric	10PKT/TIN
DHAW125L1	12.5 Kg	Loose Form	12.5KG/TIN
DHAW125L2	12.5 Kg	Loose Form	12.5KG/TIN



Blue Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHAB001A1	1 gm	Plastic	5000PKT/TIN
DHAB001T1	1 gm	Tyvek	4500PKT/TIN
DHAB005A1	5 gm	Plastic	1500PKT/TIN
DHAB005H1	5 gm	Heatlon	1500PKT/TIN
DHAB005P1	5 gm	Paper	1500PKT/TIN
DHAB010A1	10 gm	Plastic	1000PKT/TIN
DHAB010H1	10 gm	Heatlon	800PKT/TIN
DHAB010P1	10 gm	Paper	800PKT/TIN
DHAB050H1	50 gm	Heatlon	200PKT/TIN
DHAB100F1	100 gm	TP Fabric	100PKT/TIN
DHAB100H1	100 gm	Heatlon	100PKT/TIN
DHAB200H1	200 gm	Heatlon	50PKT/TIN
DHAB250F1	250 gm	TP Fabric	40PKT/TIN
DHAB250H1	250 gm	Heatlon	40PKT/TIN
DHAB500B1	500 gm	Plastic Bottle	BOTTLE
DHAB500F1	500 gm	TP Fabric	20PKT/TIN
DHAB500H1	500 gm	Heatlon	20PKT/TIN
DHAB1/0B1	1 Kg	Plastic Bottle	BOTTLE
DHAB1/0F1	1 Kg	TP Fabric	10PKT/TIN
DHAB125L1	12.5 Kg	Loose Form	12.5KG/TIN

Orange Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHAO001A1	1 gm	Plastic	5000PKT/TIN
DHAO001P1	1 gm	Plastic	5000PKT/TIN
DHAO003A1	3 gm	Plastic	2000PKT/TIN
DHAO005A1	5 gm	Plastic	1500PKT/TIN
DHAO005H1	5 gm	Heatlon	1500PKT/TIN
DHAO005P1	5 gm	Paper	1500PKT/TIN
DHAO010A1	10 gm	Plastic	1000PKT/TIN
DHAO010H1	10 gm	Heatlon	800PKT/TIN
DHAO020H1	20 gm	Heatlon	400PKT/TIN
DHAO025A1	25 gm	Plastic	300PKT/TIN
DHAO500B1	500 gm	Plastic Bottle	BOTTLE
DHAO500H1	500 gm	Heatlon	20PKT/TIN
DHAO1/0B1	1 Kg	Plastic Bottle	BOTTLE
DHAO1/0F1	1 Kg	TP Fabric	10PKT/TIN
DHAO125L1	12.5 Kg	Loose Form	12.5KG/TIN
DHAP125L2	12.5 Kg	Loose Form	12.5KG/TIN



Blue - White Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHBW001A1	1 gm	Plastic	5000PKT/TIN
DHBW001P1	1 gm	Paper	4500PKT/TIN
DHBW002A1	2 gm	Plastic	3500PKT/TIN
DHBW002P1	2 gm	Paper	2500PKT/TIN
DHBW003A1	3 gm	Plastic	2500PKT/TIN
DHBW003H1	3 gm	Heatlon	2000PKT/TIN
DHBW003P1	3 gm	Paper	2000PKT/TIN
DHBW005A1	5 gm	Plastic	1500PKT/TIN
DHBW005H1	5 gm	Heatlon	650PKT/TIN
DHBW005P1	5 gm	Paper	1500PKT/TIN
DHBW010A1	10 gm	Plastic	1000PKT/TIN
DHBW010F1	10 gm	TP Fabric	800PKT/TIN
DHBW010H1	10 gm	Heatlon	800PKT/TIN
DHBW010P1	10 gm	Paper	800PKT/TIN
DHBW020A1	20 gm	Plastic	400PKT/TIN
DHBW020F1	20 gm	TP Fabric	400PKT/TIN
DHBW020H1	20 gm	Heatlon	400PKT/TIN
DHBW025H1	25 gm	Heatlon	300PKT/TIN
DHBW030H1	30 gm	Heatlon	300PKT/TIN
DHBW050F1	50 gm	TP Fabric	200PKT/TIN
DHBW050H1	50 gm	Heatlon	200PKT/TIN
DHBW050T1	50 gm	Tyvek	200PKT/TIN
DHBW075F1	75 gm	TP Fabric	120PKT/TIN
DHBW100F1	100 gm	TP Fabric	100PKT/TIN

Blue - White Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHBW100H1	100 gm	Heatlon	100PKT/TIN
DHBW100T1	100 gm	Tyvek	100PKT/TIN
DHBW150F1	150 gm	TP Fabric	70PKT/TIN
DHBW150H1	150 gm	Heatlon	70PKT/TIN
DHBW200F1	200 gm	TP Fabric	50PKT/TIN
DHBW200H1	200 gm	Heatlon	50PKT/TIN
DHBW250F1	250 gm	TP Fabric	40PKT/TIN
DHBW250H1	250 gm	Heatlon	40PKT/TIN
DHBW300F1	300 gm	TP Fabric	40PKT/TIN
DHBW500C1	500 gm	Cloth Bag	BAG
DHBW500F1	500 gm	TP Fabric	20PKT/CTN
DHBW500H1	500 gm	Heatlon	20PKT/TIN
DHBW500T1	500 gm	Tyvek	20PKT/TIN
DHBW1/0F2	1 Kg	TP Fabric	10PKT/TIN
DHBW1/0F1	1 Kg	Plastic Bottle	BOTTLE
DHBW005C1	5 Kg	Clorh Bag	16PKT/DRUM
DHBW125L1	12.5 Kg	Loose Form	12.5KG/TIN



Orange - White Indicating Silica Gel

Reference Number	Weight	Packaging Material	Quantity
DHOW001A1	1 gm	Plastic	5000PKT/TIN
DHOW001P1	1 gm	Paper	4500PKT/TIN
DHOW001T1	1 gm	Tyvek	4000PKT/TIN
DHOW002A1	2 gm	Plastic	3000PKT/TIN
DHOW002A2	2 gm	Plastic	3500PKT/TIN
DHOW003A1	3 gm	Plastic	2500PKT/TIN
DHOW003P1	3 gm	Paper	2000PKT/TIN
DHOW005A1	5 gm	Plastic	1500PKT/TIN
DHOW005H1	5 gm	Heatlon	1500PKT/TIN
DHOW010A1	10 gm	Plastic	1000PKT/TIN
DHOW010H1	10 gm	Heatlon	800PKT/TIN
DHOW020A1	20 gm	Plastic	400PKT/TIN
DHOW020H1	20 gm	Heatlon	400PKT/TIN
DHOW020T1	20 gm	Tyvek	350PKT/TIN
DHOW050H1	50 gm	Heatlon	200PKT/TIN
DHOW050T1	50 gm	Tyvek	200PKT/TIN
DHOW075F1	75 gm	TP Fabric	200PKT/CTN
DHOW100F1	200 gm	TP Fabric	100PKT/TIN
DHOW100H1	100 gm	Heatlon	100PKT/TIN
DHOW150F1	150 gm	TP Fabric	70PKT/TIN
DHOW300T1	300 gm	Tyvek	35PKT/TIN
DHOW500B1	500 gm	Plastic Bottle	BOTTLE
DHOW100F1	1 Kg	TP Fabric	10PKT/TIN
DHOW125L1	12.5 Kg	Loose Form	12.5KG/TIN

Activated Clay

Reference Number	Weight	Packaging Material	Quantity
DHC0001T2	1 gm	Tyvek	10000PKT/CTN
DHC0003T3	3 gm	Tyvek	2500PKT/TIN
DHC03/5P1	3.5 gm	Paper	1500PKT/TIN
DHC0004H1	4 gm	Heatlon	1500PKT/TIN
DHC0005F1	5 gm	TP Fabric	2500PKT/TIN
DHC0005H1	5 gm	Heatlon	1500PKT/TIN
DHC0005T1	5 gm	Tyvek	1500PKT/TIN
DHC1/6UT1	5.5 gm	Tyvek	1000PKT/TIN
DHC0010H1	10 gm	Heatlon	800PKT/TIN
DHC0010T1	10 gm	Tyvek	700PKT/TIN
DHC1/3UT1	11 gm	Tyvek	700PKT/PLT
DHC1/2UT1	16.5 gm	Tyvek	500PKT/TIN
DHC0020H1	20 gm	Heatlon	400PKT/TIN
DHC0025H1	25 gm	Heatlon	300PKT/TIN
DHC0030H1	30 gm	Heatlon	300PKT/TIN
DHC001UT1	33 gm	Tyvek	250PKT/TIN
DHC0033H1	33 gm	Heatlon	250PKT/TIN
DHC0050F1	50 gm	TP Fabric	200PKT/TIN
DHC0050H1	50 gm	Heatlon	350PKT/CTN
DHC0060H1	60 gm	Heatkib	150PKT/TIN
DHC002UT1	66 gm	Tyvek	200PKT/TIN



Activated Clay

Reference Number	Weight	Packaging Material	Quantity
DHC002UT2	66 gm	Tyvek	150PKT/TIN
DHC002UT5	66 gm	Tyvek	150PKT/TIN
DHC0100F1	100 gm	TP Fabric	100PKT/TIN
DHC0100H1	100 gm	Heatlon	100PKT/TIN
DHC0100T1	100 gm	Tyvek	100PKT/TIN
DHC004UT5	132 gm	Tyvek	400PKT/DR
DHC0132S1	132 gm	Tyvek	120PKT/CTN
DHC0150T1	150 gm	Tyvek	120PKT/CTN
DHC0200F1	200 gm	TP Fabric	50PKT/TIN
DHC0200H1	200 gm	Heatlon	50PKT/TIN
DHC008UT1	264 gm	Tyvek	40PKT/TIN
DHC0264F1	264 gm	TP Fabric	40PKT/TIN
DHC0300F1	300 gm	TP Fabric	35PKT/TIN
DHC0400F1	400 gm	TP Fabric	25PKT/TIN
DHC016UT1	528 gm	Tyvek	18PKT/TIN
DHC0528F1	528 gm	TP Fabric	18PKT/TIN
DHC01/0F1	1 Kg	TP Fabric	10PKT/TIN

Molecular Sieve

Reference Number	Weight	Packaging Material	Quantity
DHMA0/5T1	0.5 gm	Tyvek	15000PKT/TIN
DHMA001T1	1 gm	Tyvek	4000PKT/TIN
DHMA002T1	2 gm	Tyvek	2000PKT/TIN
DHMA003T1	3 gm	Tyvek	2500PKT/TIN
DHMA010S1	10 gm	Tyvek	300PKT/TIN
DHMA012T1	12 gm	Tyvek	1250PKTS/CTN
DHMA025S1	25 gm	Tyvek	800PKT/TIN
DHMA063T1	63 gm	Tyvek	150PKT/TIN
DHMA070T1	70 gm	Tyvek	150PKT/TIN
DHMA100T1	100 gm	Tyvek	100PKT/TIN
DHMA120F1	120 gm	Fabric	80PKT/TIN
DHMA250T1	250 gm	Tyvek	50PKTS/CTN
DHMA500B1	500 gm	Plastic Bottle	BOTTLE
DHMA500C1	500 gm	Cloth Bag	20PKT/TIN
DHMB500H1	500 gm	Heatlon	20PKT/TIN
DHMA1/0B1	1 Kg	Plastic Bottle	BOTTLE
DHMA13103	12.5 Kg	Loose Form	12.5KG/TIN
DHMA41030	12.5 Kg	Loose Form	12.5KG/TIN



Related Products



Activated Alumina



Activated Clay



Silica Gel



Activated Carbon



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