

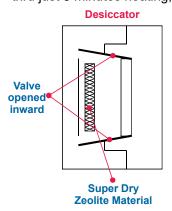
Why desiccant technology based Dehumidifying Dry Storage Cabinets are virtually maintenance-free?

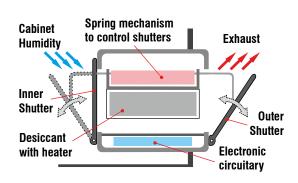
Zeolite used in Desiccators does not need replacement or substitution, that is why this technology is virtually maintenance-free

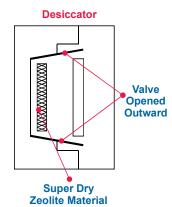
Desiccant technology uses highly porous crystalline material belonging to alumino silicates class, called Zeolite. Zeolite desiccant is refreshed by controlled heating and allows the trapped moisture in it to escape thru the vents located at the back side of the Cabinet. Once Zeolite desiccant material is refreshed thru heating, it seals o the back side vents and opens to the interior side for dehumidication to set level as programmed. The dehumidication level inside is continuously compared to the preset level till it achieves the desired RH level.



Re-heating of the Zeolite desiccant material starts only when the humidity inside the cabinet exceeds the absorption capacity of Zeolite drying material. Normally the re-generation of the Zeolite desiccant material thru just 8 minutes heating, su ces for many weeks of dehumudi cation process.



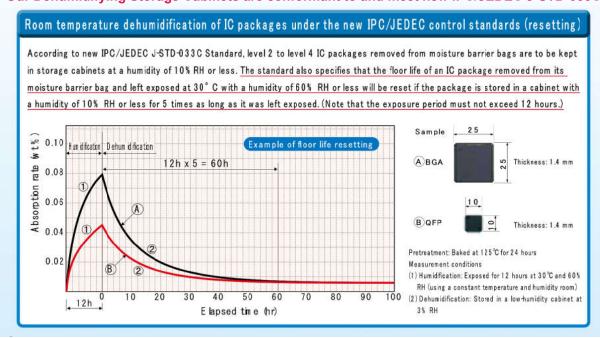




Absorption Stage: Valves are opened inward and closed outward in order to absorb moisture in the desiccators from the Cabinet and stored items/ components placed inside and maintains the set humidity with repeated process

Exhaustion Stage: Valves are closed inward and opened outward in order to exhaust moisture from saturated desiccators to atmosphere outside the dehumidifying dry cabinet

Our Dehumidifying Storage Cabinets are conformant to and meet new IPC/JEDEC J-STD-033C



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Warranty is 12 months from the date of invoice. It excludes any mechanically damaged part.

1 ~ 60% RH Dehumidifying Dry Storage Cabinet Model SFR1428-6D-160



6 Desiccators, 5 with interlocked fans for super fast recovery • Power backup facility

Humidity range conforms to IPC/JEDEC J-STD 033C Standards for storing even expensive IC packages



Features:

- Capacity: 1428 litres (approx.)
- Tampered Toughened Glass Windows
- · LED Display for Temperature and Humidity
- Humidity Controller maintains stable RH Level
- Accuracy: ±3%RH (It is not ±3%)*
- * If the set humidity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

Specifications:

Humidity Range : 1% ~ 60%RH

Humidity Technique : Semi-permanet dry desiccant

Internal Dimensions : 1198W x 680D x 1738H mm approx. External Dimensions : 1200W x 710D x 1920H mm approx.

Material : Cold Roll Steel with Black Paint

No. of Doors/Shelves : 6 Doors/6 Shelves

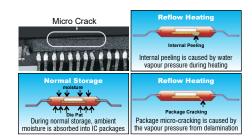
Input Supply : 220V ~ 240V, 50Hz

Wide applications of ESD Safe Dehumidifying Dry Storage Cabinets

Moisture Sensitive IC Packages, PCBs, Silicon Wafers, Ceramic Substrates, Crystal Resonators, Optical Fiber & RF Connectors, Medical Samples, Pharmaceuticals, Surgical Instruments, Video Tapes, Micro Films, Camera Lenses and Cameras, Tea Samples, Coffee Samples, Night Vision Equipments, Seed Samples etc.

ESD Safe Dehumidifying Storage Cabinets are must to maintain high reliability of Bare/Assembled PCBs, ICs & other expensive components

Miniaturization in electronics field require use of expensive large size ICs which are not only static charge sensitive but are also moisture sensitive. Such ICs need higher level of moisture control as otherwise they will have internal cracking during reflow process because of moisture expansion. Prevention lies in storing such ICs in ESD Safe and Humidity controlled Dry Storage Cabinets.



Our Low Humidity Dehumidifying Storage Cabinets guarantees reliable, safe and dry storage of moisture-sensitive IC Components in accordance with international IPC/JDEC Standards. Moisture stored in the plastics of the IC units is extracted with help of strong Zeolite drying agent in desiccator.

Warranty is 12 months from the date of invoice. It excludes any mechanically damaged part.

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1 ~ 60% RH Dehumidifying Dry Storage Cabinet Model IDSC-728



ESD Safe • 3 Desiccators for fast recovery • normally immediate delivery

Humidity range conforms to IPC/JEDEC J-STD 033C Standards for storing even expensive IC packages



Humidity Range : 1% ~ 60%RH

Humidity Technique : Semi-permanet dry desiccant

: 598W x 680D x 1738H mm approx. **Internal Dimensions** : 600W x 710D x 1920H mm approx. **External Dimensions**

Material : Cold Roll Steel with Black Paint

No. of Doors/Shelves : 3 Doors/5 Shelves

Input Supply : 220V ~ 240V, 50Hz, 13 Watt

Features:

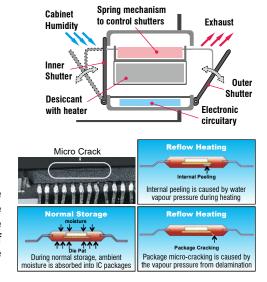
- · Capacity: 728 litres (approx.)
- Tampered Toughened Glass Windows
- LED Display for Temperature and Humidity
- Humidity Controller maintains stable RH Level
- Accuracy: ±3%RH (It is not ±3%)*
- * If the set humdity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

Dehumidifying Principle

Humidity is removed inside the Storage Cabinets by use of dry powerful zeolite desiccant. The desiccant is automatically recycled with an in-built heating mechanism. It does not require replacement. Moisture absorbed by the zeolite desiccant, is released outside of the cabinet. No maintenance is required.

ESD Safe Dehumidifying Storage Cabinets are must to maintain high reliability of Bare/Assembled PCBs, ICs & other expensive components

Miniaturization in electronics field require use of expensive large size ICs which are not only static charge sensitive but are also moisture sensitive. Such ICs need higher level of moisture control as otherwise they will have internal cracking during reflow process because of moisture expansion. Prevention lies in storing such ICs in ESD Safe and Humidity controlled Dry Storage Cabinets.



Warranty is 12 months from the date of invoice. It excludes any mechanically damaged part.



Optional Door Alarm Module

This Module can be installed on top of the Humidity Cabinet to monitor the humidity inside the cabinet and to alert the user for any change in humidity value.

This Module is programmable for upper and lower limit of humidity. Once the humidity inside the cabinet increases or decreases from this programmed limit, the alarm will start with beep sound.

Example: The set value in the cabinet is 30% RH. The Alarm Module is programmed for +/- 5%RH. Then if the value of humidity inside the cabinet increases beyond 35%RH then the alarm start ringing. Accordingly if the humidity inside the cabinet decreases beyond 25%RH then the alarm start ringing.

If the door is opened for long time, the humidity value increases from the set upper limit - the alarm start ringing







Optional Data Logger with PC Interface & Software

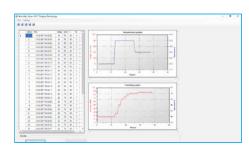
The humidity and temperature inside the cabinet is monitored on a computer using this optionally available Data-logger.

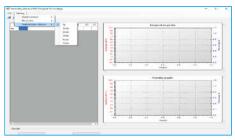
For this Datalogging the hardware is fitted on the Dry Cabinet. This hardware allows the Dry Cabinet to be connected to a PC thru a connecting cable (RS232 to USB).

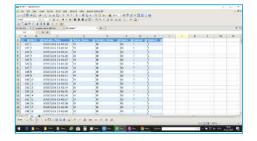
The software provided allows the capturing and saving the data on a computer.

Capturing time intervals is programmable. It can be programmed for 1 second, 1, 2, 3, 4, & 5 minutes.

The data is displayed on the monitor in tabular form as well as in graphical form. This data is captured and automatically saved in the computer. This data can be viewed in excel sheets for further analysis.









ESD Safe • 2 Desiccators for fast recovery • normally immediate delivery

Conforms to IPC/JEDEC J-STD 033C Standards for storing even expensive IC packages

This is a Dehumidifying Cabinet to control humidity level from ambient humidity (which is maximum) level to down level as programmed. It controls % RH level to ambient humidity. As there is no temperature controlling, the digital display shows ambient temperature only.







Rugged Handles lock by pressing and also lock with removable Key



Wrist Strap Terminal for ESD Safety





Precise %RH Programmer with RS232



Two reliable and powerful Desiccators ensure faster set humidity recovery



The Grounding Braid on the back side is provided for electrical earthing for safety

Specifications:

Humidity Range : 5% ~ 50%RH

Humidity Technique : Semi-permanet dry Desiccant : 898Wx450Dx1100H mm approx. External Dimensions : 900Wx480Dx1250H mm approx. : Cold Roll Steel with Black Paint

No. of Doors/Shelves : 2 Doors/3 Shelves

Input Supply : 220V ~ 240V, 50Hz, 13 Watt

Features:

- Capacity: 440 litres (approx.)
- Tampered Toughened Glass Windows
- LED Display for Temperature and Humidity
- Humidity Controller maintains stable RH Level
- Accuracy: ±3%RH (It is not ±3%)*
- * If the set humdity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

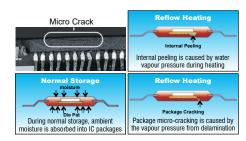
Wide applications of ESD Safe Dehumidifying Dry Storage Cabinets

Moisture Sensitive IC Packages, PCBs, Silicon Wafers, Ceramic Substrates, Crystal Resonators, Optical Fiber & RF Connectors, Medical Samples, Pharmaceuticals, Surgical Instruments, Video Tapes, Micro Films, Camera Lenses and Cameras, Tea Samples, Coffee Samples, Night Vision Equipments, Seed Samples etc.

4 Heavy Duty Castor Wheels (2 Wheels lockable)

ESD Safe Dehumidifying Storage Cabinets are must to maintain high reliability of Bare/Assembled PCBs, ICs & other expensive components

Miniaturization in electronics field require use of expensive large size ICs which are not only static charge sensitive but are also moisture sensitive. Such ICs need higher level of moisture control as otherwise they will have internal cracking during reflow process because of moisture expansion. Prevention lies in storing such ICs in ESD Safe and Humidity controlled Dry Storage Cabinets.



Our Low Humidity Dehumidifying Storage Cabinets guarantees reliable, safe and dry storage of moisture-sensitive IC Components in accordance with international IPC/JDEC Standards. Moisture stored in the plastics of the IC units is extracted with help of strong Zeolite drying agent in desiccator.

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Warranty is 12 months from the date of invoice. It excludes any mechanically damaged part.

10~60%RH Dehumidifying Dry Storage Cabinet Model IDSC-180



low priced model for consumer applications • normally immediate delivery

Commonly used for:

Mass Media Storage:

 Cameras, Photographic, Audio Visual products, Optical Lenses etc.

· Food & Drug Storage:

- Dehydrated food, powder food, health food, tea samples etc.

Art & Collection Storage:

 Art, music, stamp and other paper materials etc.

Features:

- Capacity: 189 litres (approx.)
- Tampered Toughened Glass Windows
- LED Display for Temperature and Humidity
- Door frame covered with Magnetic Rubber to avoid leakage
- Humidity Controller maintains stable RH Level
- Accuracy: ±3%RH (It is not ±3%)*









Shelf Clamp Shelf Slot Column has slots at regular distances for height adjustment of Shelves as per usage requirement



Specifications:

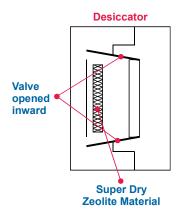
Humidity Range : 10% ~ 60%RH

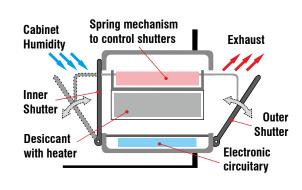
Humidity Technique : Semi-permanet dry Desiccant : 398W x 375D x 1240H mm approx. External Dimensions : 400W x 400D x 1315H mm approx. : Cold Roll Steel with Black Paint

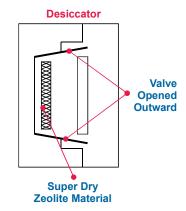
No. of Doors/Shelves : 2 Doors/5 Shelves Input Supply : 220V ~ 240V, 50Hz



Grounding Line
is provided at
back side of
the Cabinet to
maintain the
ESD safety of
the Cabinet







Absorption Stage: Valves are opened inward & closed outward in order to absorb moisture in the desiccators from the Cabinet and stored items/components placed inside & maintains the set humidity with repeated process

Exhaustion Stage: Valves are closed inward and opened outward in order to exhaust moisture from saturated desiccators to atmosphere outside the dehumidifying dry cabinet

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Warranty is 12 months from the date of invoice. It excludes any mechanically damaged part.

^{*} If the set humidity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

Dehumidifying Dry Storage Cabinet Low Cost Model FCM280



low priced model for consumer applications • normally immediate delivery





Shelf Slot Column has slots at regular distances for height adjustment of Shelves as per usage requirement

Commonly used for:

- Mass Media Storage:
- Cameras, Photographic, Audio Visual products, Optical Lenses etc.

Food & Drug Storage:

- Dehydrated Food, Powder Food, Health Food, Tea Samples etc.

Features:

- · Capacity: 84 litres (approx.)
- Tampered Toughened Glass Windows
- LED Display for Temperature and Humidity
- Door Frame covered with Magnetic Rubber to avoid leakage
- Precise Humidity Controller maintains stable RH Level
- Accuracy: ±3%RH (It is not ±3%)*
- * If the set humdity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

Specifications:

Humidity Range : 20% ~ 60%RH

Humidity Technique : Semi-permanet dry Desiccant Internal Dimensions : 398W x 370D x 545H mm approx. External Dimensions : 400W x 400D x 620H mm approx. Material : Cold Roll Steel with Black Paint

No. of Doors/Shelves: 1 Doors/2 Shelves

Input Supply : 220V ~ 240V, 50Hz, 7 Watt

Dehumidifying Principle

Humidity is removed inside the Storage Cabinets by use of dry powerful zeolite desiccant.

The desiccant is automatically recycled with an in-built heating mechanism. It does not require replacement. Moisture absorbed by the zeolite desiccant, is released outside of the cabinet. No maintenance is required.

