

ESD Safe • 3 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, display shows inside/ambient temperature only.



Rugged Handles lock by pressing & with Key



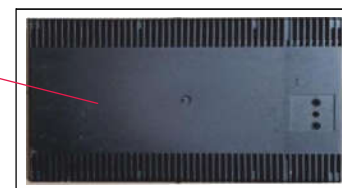
Wrist Strap Terminals for ESD Safe working



Grounding Line is provided at back side



in-built USB Port for Data Logging (with customer's computer)



Three Desiccators ensure faster set humidity recovery



Precise %RH Humidity Programmer/Controller in-built Alarm Function for set Humidity range



4 Heavy Duty Castor Wheels (2 Wheels lockable)

**1~10%RH also available on request**

**Specifications:**

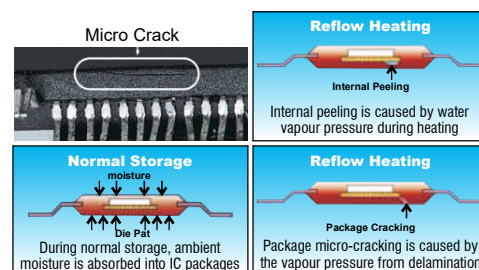
- Humidity Range : 5%~50%RH
- Humidity Technique : Semi-permanent dry desiccant
- Internal Dimensions : 598W x 680D x 1738H mm approx.
- External Dimensions : 600W x 710D x 1920H mm approx.
- Material : Cold Roll Steel with Black Paint
- No. of Doors/Shelves : 3 Doors/5 Shelves
- Input Supply : 220V ~ 240V, 50Hz

**Features:**

- Capacity: 710 litres (approx.)
  - Tempered Toughened Glass Windows
  - LED Display for Temperature and Humidity
  - Humidity Controller maintains stable RH Level
  - Accuracy:  $\pm 3\%$  RH (It is not  $\pm 3\%$ )\*
- \* 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.

**ESD Safe Dehumidifying Storage Cabinets are must to maintain reliability of Bare and Assembled PCBs, expensive large ICs & other humidity sensitive parts**

Miniaturization in electronics field require use of expensive large size ICs and PCBs which not only must be stored to safe guard against static charge but also must be stored in controlled humidity environment. Such ICs and PCBs always 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 & PCBs in both ESD Safe and Humidity Controlled Storage Cabinets.



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

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

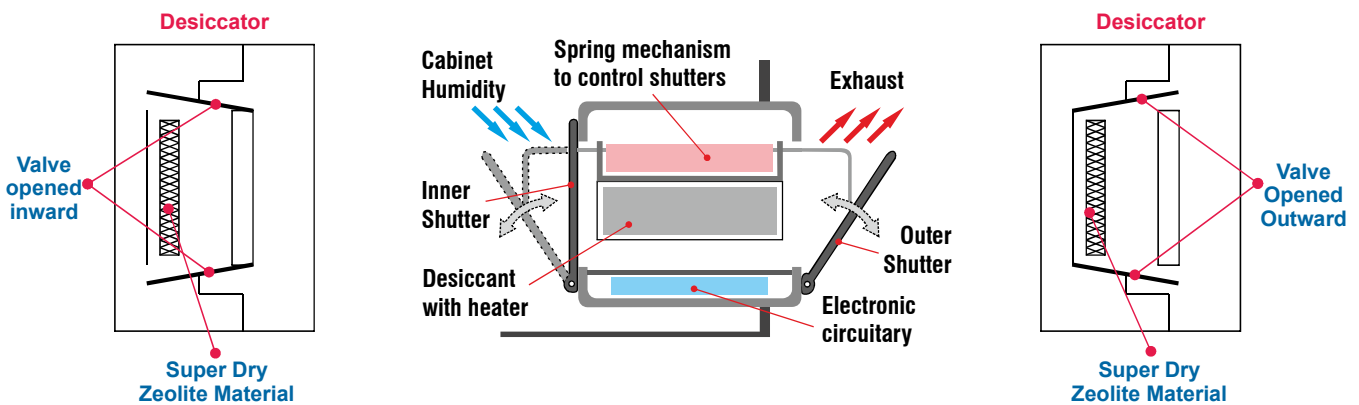
**Zeolite used in Desiccators does not need replacement or substitution, that is why this technology is virtually maintenance-free**

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 off the back side vents and opens to the interior side for dehumidification to set level as programmed. The dehumidification level inside is continuously compared to the preset level till it achieves the desired RH level.



Zeolite material

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, suffices for many weeks of dehumudification process.



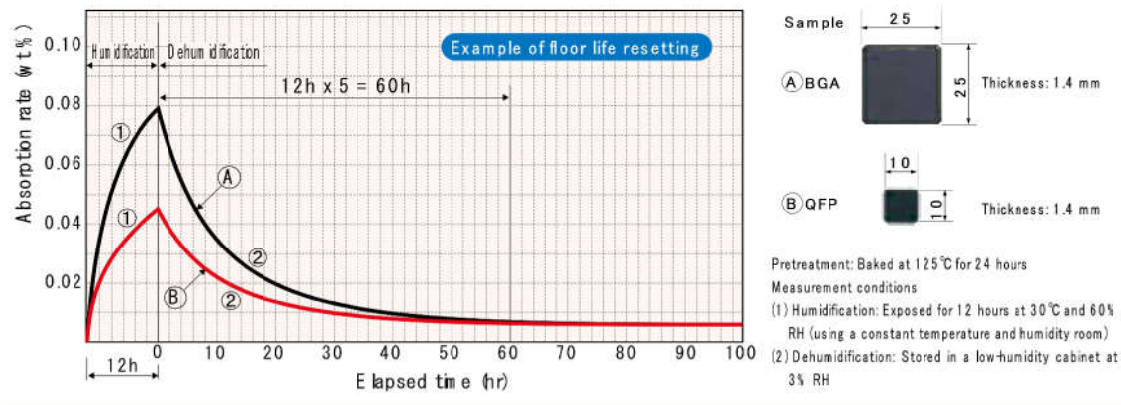
**Absorption Stage:** Valves are opened inward and closed outward in order to absorb moisture in the desiccators from the Cabinet and stored items/ components placed inside and maintains the set humidity with repeated process

**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**

**Room temperature dehumidification of IC packages under the new IPC/JEDEC control standards (resetting)**

According to new IPC/JEDEC J-STD-033C Standard, level 2 to level 4 IC packages removed from moisture barrier bags are to be kept in storage cabinets at a humidity of 10% RH or less. The standard also specifies that the floor life of an IC package removed from its moisture barrier bag and left exposed at 30° C with a humidity of 60% RH or less will be reset if the package is stored in a cabinet with a humidity of 10% RH or less for 5 times as long as it was left exposed. (Note that the exposure period must not exceed 12 hours.)



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Sl. No.	Customer's Name & City	Date of Sale	Qty
1	509 Army Base Workshop, Agra	08.02.2014	3
2	Aamstech Solution, Coimbatore	22.04.2016	1
3	ACD Communications Pvt.Ltd. Hyderabad	18.05.2016	1
4	Aforeserve Comm Ltd.,Bangalore	01.04.2017	1
	Aforeserve Comm Ltd.,Bangalore	20.05.2017	1
5	Alligator Designs Pvt. Ltd. Bangalore	15.09.2014	1
6	Alan Electronic Systems Pvt. Ltd., Ambernath	21.04.2018	1
7	Ananth Technologies Ltd., Hyderabad	14.01.2015	1
	Ananth Technologies Ltd., Hyderabad	26.03.2016	1
	Ananth Technologies Ltd., Hyderabad	29.12.2016	2
8	Ananth Technologies Ltd., Trivandrum	12.02.2018	1
9	Apex Electronics, Secunderabad	30.01.16/13.05.16	1+3
	Apex Electronics, Secunderabad	07.07.2018	1
10	Autotech Systems Pvt. Ltd., Bangalore	22.02.2018	1
11	Axiom Research Labs Pvt. Ltd. Bangalore	25.05.2016	1
	Axiom Research Labs Pvt. Ltd. Bangalore	29.12.2016	2
	Axiom Research Labs Pvt. Ltd. Bangalore	20.01.2017	4
12	Bharat Electronics Ltd.-Jalahalli, Bangalore	18.05.2013	1
	Bharat Electronics Ltd.-Jalahalli, Bangalore	28.05.2013	1
	Bharat Electronics Ltd.-Jalahalli, Bangalore	16.08.2014	9
	Bharat Electronics Ltd.-Jalahalli, Bangalore	26.12.2014	2
	Bharat Electronics Ltd.-Jalahalli, Bangalore	13.05.2016	2
	Bharat Electronics Ltd.-Jalahalli, Bangalore	15.03.2017	4
	Bharat Electronics Ltd.-Jalahalli, Bangalore	21.03.2017	5
	Bharat Electronics Ltd.-Jalahalli, Bangalore	12.08.2017	3
	Bharat Electronics Ltd.-Jalahalli, Bangalore	17.08.2017	2
	Bharat Electronics Ltd.-Jalahalli, Bangalore	03.02.18/07.02.18	3+2
	Bharat Electronics Ltd.-Jalahalli, Bangalore	25.04.18/15.09.18	1+12
13	Bharat Electronics Ltd.-Kotdwara	23.01.17/05.09.18	3+3
14	Bharat Electronics Ltd., Panchkula	17.08.2017	2
15	Bharat Dynamics Ltd., Visakhapatnam	19.09.2017	3
16	Blue Chip Electronics, Secunderabad	06.06.2014	1
17	Bluechip Infotech, West Bengal	26.03.2016	1
18	Centum Electronics Ltd. Bangalore	27.06.2013	1
19	Computronic Sales Corporation Allahabad	17.08.2016	1
20	Centre for Development of Telematics, New Delhi	23.09.2016	1
21	Centre for High Energy System and Sciences (CHESS)	27.09.2017	1
22	Cinehive Web Technologies Pvt. Ltd. Chennai	05.10.2017	1
	Cinehive Web Technologies Pvt. Ltd. Chennai	18.09.2017	2
23	China Steel Corporation India Pvt. Ltd.	14.10.2017	1

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24	Continental Automotive Brake Systems (I) Pvt. Ltd. Gurgaon	19.07.2016	1
25	D-Link ( India) Ltd., Karnataka	09.08.2013	1
26	Encardio-Rite Electronics(P) Ltd. Lucknow	21.05.2013	2
27	F. J.Tech Pvt. Ltd., Bangalore	12.02.2014	1
28	Gallium Arsenide Enabling Technology Centre, Hyderabad	09.03.2017	5
29	GVK Metal Form (P) Ltd., Jalandhar	21.01.2017	2
	GVK Metal Form (P) Ltd., Jalandhar	20.05.2017	2
	GVK Metal Form (P) Ltd., Jalandhar	15.05.2018	1
30	Hindustan Aeronautics Ltd., Hyderabad	07.01.15/27.03.15	2+9
	Hindustan Aeronautics Ltd., Hyderabad	30.03.2015	4
	Hindustan Aeronautics Ltd., Hyderabad	31.03.2015	8
	Hindustan Aeronautics Ltd., Hyderabad	21.07.2015	6
	Hindustan Aeronautics Ltd., Hyderabad	21.01.2017	1
	Hindustan Aeronautics Ltd., Hyderabad	10.01.2018	2
	Hindustan Aeronautics Ltd., Hyderabad	05.02.18/12.07.18	1+1
31	Hindustan Aeronautics Ltd., Korwa	31.08.2016	1
	Hindustan Aeronautics Ltd., Korwa	24.09.2016	1
	Hindustan Aeronautics Ltd., Korwa	12.08.2017	2
	Hindustan Aeronautics Ltd., Korwa	08.05.2018	10
32	Indian Institute of Science Education and Research, Mohali	17.12.2014	1
	Indian Institute of Science Education and Research, Mohali	10.01.2015	1
	Indian Institute of Science Education and Research, Mohali	09.06.2015	1
33	Indian Institute of Technology. Hyderabad	05.04.2017	3
	Indian Institute of Technology. Hyderabad	15.04.2017	1
34	Ind Sphnix Precision Ltd., Parwanoo	18.01.2018	1
35	Iqor Global Services Pvt. Ltd., Gurgaon	09.03.18/09.08.18	1+1
36	Instruments Research & Development Estt., Dehradun	13.05.2016	3
37	ISRO Inertial System Unit, Trivandrum	12.08.13/16.01.14	1+1
	ISRO Inertial System Unit, Trivandrum	18.08.2015	4
	ISRO Inertial System Unit, Trivandrum	29.03.2016	4
	ISRO Inertial System Unit, Trivandrum	06.02.2018	3
38	Kerala State Electronics Development Corp.Ltd., Trivandrum		1
39	Liquid Propulsion Systems Centre, Trivandrum		10
40	Maestros Electronics & Telecommunication System Ltd., Mumbai	31.01.2017	1
41	Maytech Systems, Hyderabad	21.02.2018	1
42	Meenakshi Metal Forms, Pune	10.11.2016	1
43	Merritronix Pvt. Ltd., Hyderabad	18.11.2013	1
44	Micropack Pvt. Ltd., Bangalore	06.01.2018	1
45	MRM Procom Pvt. Ltd., Faridabad	11.07.2018	1
46	Olympus Medical Systems India Pvt. Ltd., Gurgaon	30.04.14/11.03.15	1+1

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	Olympus Medical Systems India Pvt. Ltd., Gurgaon	03.03.16/27.01.17	1+1
	Olympus Medical Systems India Pvt. Ltd., Gurgaon	10.04.17/20.08.18	1
47	PCP Electronics (P) Ltd., Mysore	26.11.2013	1
48	Physical Research Laboratory, Ahmedabad	10.01.18/24.08.18	1
49	Raja Ramana Centre for Advanced Technology (RRCAT), Indore	17.09.14/05.02.18	1+2
	Raja Ramana Centre for Advanced Technology (RRCAT), Indore	09.06.18/05.06.18	2+3
	Raja Ramana Centre for Advanced Technology (RRCAT), Indore	10.09.2018	2
50	Rajshree Electro-Systems, Thane	11.03.2015	1
	BARC thru Rajshree Electro-Systems, Thane	09.05.2014	2
51	Rashi Peripherals Pvt. Ltd., Chandigarh	31.07.2014	3
52	Refurb Tech, Chennai	12.06.2018	1
53	Research Centre Imarat, Hyderabad	23.03.2018	2
54	Saalfotech Pvt. Ltd., Mysore	10.11.2016	1
55	Sahajanand Laser Technology Ltd., Gandhinagar	24.04.2015	1
56	Secure Meters Ltd., Udaipur	13.05.2014	1
57	Sai Techno Vision, Panvel	11.07.2018	1
58	Shakti Pumps (India) Limited, Pithampur	08.08.2018	1
59	S. H. Enterprises, Mumbai	30.03.2018	1
60	Shiv Nanadar University, UP	13.06.14/03.09.14	1+8
	Shiv Nanadar University, UP	16.09.2015	4
61	Sivavasud Industries, Trivandrum	01.07.2014	1
62	SLN Technologies Pvt. Ltd., Bangalore	04.06.2016	1
63	Solid State Physics Laboratory, Delhi	12.03.2015	2
64	Spectrum Infotech Pvt. Ltd., Bangalore	07.02.2017	2
65	SS Technology, Mysore	20.11.2017	1
66	Sumitron Exports Pvt. Ltd., Delhi	10.06.2015	1
67	TAK Technologies Pvt. Ltd., Noida	04.07.2016	2
68	The Controller of Stores and Purchase, Thiruvananthapuram	02.03.2016	1
69	Toshiba Transmission & Distribution, Medak Distt. (TG)	09.06.2015	1
70	Tymtix Technologies Pvt. Ltd., Bangalore	15.11.2017	1
71	Vanimadhav Moolchand Suppliers, Kanpur	01.03.2017	1
72	Vikram Sarabhai Space Centre, Trivandrum	21.05.13/29.06.13	1+4
	Vikram Sarabhai Space Centre, Trivandrum	03/12.08.2013	1+1
	Vikram Sarabhai Space Centre, Trivandrum	19/18.09.2013	2+3
	Vikram Sarabhai Space Centre, Trivandrum	04.01.14/02.06.14	1+2
	Vikram Sarabhai Space Centre, Trivandrum	01.08.14/09.01.15	1+1
	Vikram Sarabhai Space Centre, Trivandrum	16.03.15/21.08.15	1+15
	Vikram Sarabhai Space Centre, Trivandrum	07.09.16/22.08.17	1+8
	Vikram Sarabhai Space Centre, Trivandrum	07.09.2018	6
73	Young India Power Pvt. Ltd., Kolkata	10.01.2015	1

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