

Hetro Dehumidifiers

No water collection, wall mount installation



DT3K



DT6K

Room temp	Possible room target humidity
15° C	70 to 80 %RH
16° C	67 to 80 %RH
17° C	63 to 80 %RH
18° C	60 to 80 %RH
19° C	58 to 80 %RH
20° C	55 to 80 %RH
21° C	53 to 80 %RH
22° C	51 to 80 %RH
23° C	48 to 80 %RH
24° C	46 to 80 %RH
25° C	44 to 80 %RH
26° C	42 to 80 %RH
27° C	39 to 80 %RH
28° C	37 to 80 %RH
29° C	35 to 80 %RH
30° C	32 to 80 %RH



The principle of operation and concept

The Hetro Dehumidifiers are heater-based dehumidifiers which enables the room air-conditioner to remove excess moisture in the room. Hetro Dehumidifier works only when the air conditioner (cooling) is running in the room. It is developed in the design clinic scheme under the Ministry of MSME, the center of excellence at the Indian Institute of Sciences, Bengaluru.

Hetro Dehumidifiers are used for target humidity between 30-80%RH and the room temperatures between 15-30 Deg C. Your room shall be air-conditioned for using this equipment. The following are the major advantages:

- 1) No water collection.
- 2) Wall mount installation.
- 3) Duct work is not required.
- 4) For powdered environments no fan option is available.

Dehumidification is always recommended in conjunction with air conditioning for precise humidity control in the room. Hot and humid conditions are not favorable for many applications.



DT9K

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Frequently Asked Questions:

Why does the Hetro dehumidifier work only in the air-conditioned rooms?

Hetro dehumidifier and air-conditioner work together for reducing the moisture in the room, Hetro dehumidifier enables your air-conditioner to remove the excess moisture in the room.

How much equipment cost?

It depends on room size and target humidity. For example, the room size is 1000 Cubic feet with AC 1 Ton capacity installed, the basic model will cost Rs. 75,000+18%GST. If you are looking for big rooms please contact us.

What is the monthly running cost of this equipment?

It depends on the room's target humidity and room temperature. For example, 50% RH is the target humidity and room temperature 25 Deg C for a ~2000 Cubic feet room - the average estimated monthly cost is around Rs. 1000.

What happens if the room is too dry? Does the Hetro dehumidifier increase the humidity in the room?

No, it is only a dehumidifier, to increase the humidity in the room install a humidifier.

What are the advantages of installing this equipment?

- Wall mount installation.
- No water collection.
- Reduces humidity levels in the room.
- Prevents mold and reduces dust mite population.
- Protects your valuable documents and articles from high humidity.
- It is a low-cost solution, particularly for large rooms.
- Reduces the sticky feeling of a hot humid summer.

What is the target humidity we can achieve?

Hetro dehumidifier can be used in applications where the target humidity is between 30%-80%RH and the room temperature range of 15-30 Deg C. Refer to the table on the first page for the lowest target humidity possible with Hetro dehumidifiers with respect to temperatures. For lower target humidity at lower temperatures, we offer desiccant dehumidifiers.

Where can we use this Hetro Dehumidifier?

All the air-conditioned environments within the temperature and humidity range mentioned on the first page. Equipment is used to reduce the excess humidity in an air-conditioned room.

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Major Industries Hetro Dehumidifier works



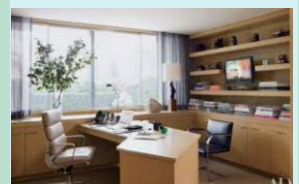
Pharmaceutical



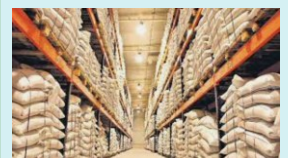
Food Processing



Hospitals



Offices



Storage

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