



Dewteq Technologies Private Limited

Hetro Dehumidifiers

DEWTEQ®

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

Hetro Dehumidifiers are heater-based dehumidifiers, which enable the room air conditioner to reduce air humidity in the room. Hetro Dehumidifier works only when the air conditioner (cooling) is running in the room. It was developed in the design clinic under the Ministry of MSME in the year 2020, with guidance from the Centre of Excellence in the Indian Institute of Science (IISc), Bangalore.

Hetro Dehumidifiers are used for target humidity between 30-80%RH and the room temperatures between 15-30°C. Your room must be air-conditioned to use this equipment. The following are the significant advantages:

- 1) No water collection.
- 2) Wall mount installation.
- 3) Ductwork 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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Hetro Dehumidifiers

No water collection, wall mount installation

Frequently Asked Questions:

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

The Hetro dehumidifier and air-conditioner work together to reduce moisture in the room. Hetro dehumidifier enables your air-conditioner to remove the excess moisture in the room.

How much does the equipment cost?

It depends on room size and target humidity. For example, the room size is 1,000 cubic feet with a 1-ton AC 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, a 50% RH target humidity and a room temperature of 25°C in a room of ~2000 Cubic feet results in an average estimated monthly cost of around Rs. 1000.

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

No, it's just a dehumidifier. To increase the humidity in the room, install a humidifier.

What are the advantages of installing this equipment?

- No water collection.
- Wall mount installation.
- It saves floor space in the room.
- Low noise.
- Warms the room if the outside temperature is too low.
- Low maintenance costs.
- Cost-effective when compared to desiccant dehumidifiers.

What is the target humidity we can achieve?

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

Where can we use this Hetro Dehumidifier?

All the air-conditioned environments are 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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