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Understanding the process of dehumidification and cooling by [Aabher Ray](#)

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Dehumidification is the process in which water vapour, humidity or moisture is removed. It is done by keeping dry bulb (DB) temperature at a constant level. On a psychometric chart, the process is represented by a vertical line. The initial value starts from relative humidity, extends downwards and ends near the final value of relative humidity. This process is often accompanied by heating and cooling of the air. Along with heating or cooling, this process is used in several different air conditioning applications.

These days, an air conditioning unit is used almost everywhere, right from homes to offices, restaurants, libraries, etc. However, not many people know about the term dehumidification and its functioning. A dehumidifier is perfect for places where there is a lot of humidity. For instance, places that are located near the coastal region. With the help of a dehumidifier you can create a pleasant atmosphere in your home or office.

In any type of an enclosed area, the average level of humidity is between 30-49%. If the humidity level falls below 30%, it will make you feel uncomfortable. When the place becomes too humid, the environment around you is most likely to be dampen, which can lead to sweating. Humidity in atmosphere often leads to moulds formation, thus making it harmful to human health and the environment around you.

Air dehumidification and cooling helps in bringing down the room temperature to normal. Most dehumidifiers utilise a small fan to suck moisture present in the room. Once the air gets cooled, the moisture starts to decrease. The water collected in the pipe is then drained out. While this water is not pure for drinking purposes, it is perfect for watering plants. To absorb moisture from the surrounding air, dehumidification and cooling systems make use of a desiccant material, silica gel.

Selecting the right system

When it comes to selecting air conditioners, there are plenty of options available out there. However, it is important to select the one that best fits your needs. You can also ask for advice from professionals. With the knowledge and experience professionals have, they can suggest you with a device that perfectly fits your budget and needs.

To make the process easier, try to look for more information on the internet. There are many online retailers that sell such systems. Before you go ahead to make your purchase, ensure that you do a proper research on all the available options.

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Dry air systems offers complete a [dehumidification](#) solutions for a [dehumidification and cooling](#) systems in factories, industrial plants and commercial businesses.

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