



# DESICCANT DEHUMIDIFIERS

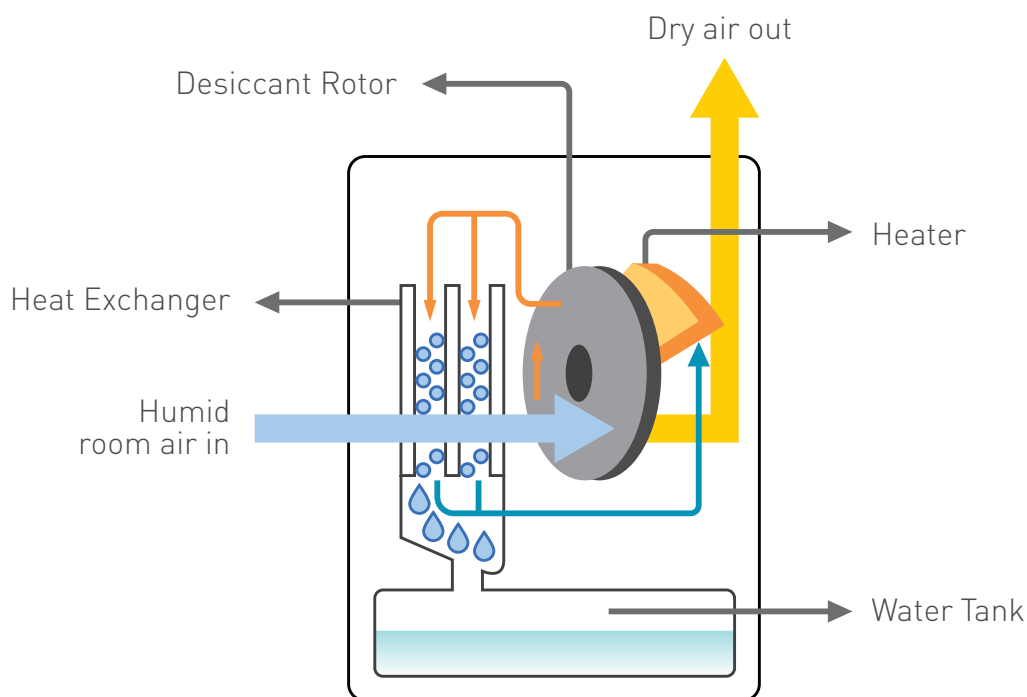
## ION612 & ION632

Product Brochure





# An Introduction to Desiccant Dehumidifiers



Desiccant rotor dehumidifiers use a desiccant (a substance that adsorbs water in a vapour state) that is mounted on a rotating wheel (called a rotor). In the Ionmax ION612 and ION632, the desiccant material used is Zeolite.

As the wheel turns, the incoming air passes through the desiccant where the moisture is adsorbed (collected onto the wheel surface) and the dried air is left to flow out. A flow of warm air is then passed through the desiccant wheel to 'regenerate' it and expel the moisture from its surface. The moisture is collected in the dehumidifier's water tank or drained out through a hose. The wheel continues to rotate and the adsorption process is repeated.

The adsorption principle used in desiccant rotor dehumidifiers make them especially suited for high humidity levels even at low temperatures. Unlike other types of dehumidifiers, desiccant dehumidifiers are more stable across all temperatures and can reduce humidity to much lower levels. They also require little maintenance and are quieter and lighter compared to compressor type dehumidifiers.



## Moisture Control Dehumidifier ION612

The **Ionmax Ion612 Dehumidifier** helps to control the humidity of the air, acting as a desiccant to keep excessive moisture at bay. The Ion612 can remove 7 litres (20°C RH60%) of moisture per day, utilising a 3D automatic louvre to channel airflow over a wide area or spot to optimise its efficiency.

It also features a built-in ioniser and *silver nano* technology filter that kills bacteria on contact, greatly enhancing the quality of indoor air. Efficient, eco-friendly and quiet, the Ionmax Ion612 is perfect for home use.

### FEATURES



Built-in Ioniser



Silver Nano Filter Technology



Timer up to 8 hours



Extraction Rate  
7 Litres/Day



Laundry Mode



Quiet Operation



Tank Capacity



Stable Performance in Both  
Low and High Temperatures



Light and Portable

### SPECIFICATIONS

Voltage	240V
Power Consumption	360 - 620W
Working Temperature	1°C - 40°C
Moisture Removal	7 litres a day (at 20°C RH60%)
Tank Capacity	2 litres

Net Weight	6 kgs
Net Dimensions (W x D x H)	290mm x 175mm x 475 mm
Gross Dimensions (W x D x H)	350mm x 229mm x 545 mm



## Moisture Control Dehumidifier ION632

**The Ionmax Ion632 Dehumidifier** controls the humidity in your environment efficiently while staying environmentally friendly. It features a CFC-free desiccant rotor, air filter, and various safety functions. Sturdy and durable, the Ionmax Ion632 is perfect for daily use in removing mould and dampness, drying clothes, and improving the air quality in your home and office. Being able to remove 10 litres of moisture per day (20°C RH60%) while staying energy efficient, the Ion632 dehumidifier is ideal for daily industrial use.

### FEATURES



Extraction Rate  
10 Litres/Day



Timer up to 8 hours



Quiet Operation



Tank Capacity



Laundry Mode



Light and Portable



Air Filter



Stable Performance in Both  
Low and High Temperatures

### SPECIFICATIONS

Voltage	240V
Power Consumption	400 - 720W
Working Temperature	1°C - 40°C
Moisture Removal	10 litres a day (at 20°C RH60%)
Tank Capacity	3.5 litres

Net Weight	8.4 kgs
Net Dimensions (W x D x H)	416mm x 186mm x 520 mm
Gross Dimensions (W x D x H)	491mm x 260mm x 623 mm