

## FOG-3 6 0 HUMIDIFIER



### Technical Specifications:

- Working Principle : Centrifugal
- Particle size : 4 -8 microns
- Power consumption : 90 watts
- Humidification Capacity : 4 - 6 Liters/Hr.
- Area coverage : 300 to 500 sq. feet
- Stabilized Power Supply : Single Phase, 230 VAC, 50/60 Hz
- Water connection : 0.5 inches
- Fog Pipe Outlet : 1 No. (110 mm)
- Dimensions : 370 X 370 X 480 mm
- Weight : 9 Kg (Dry)

# PRODUCT PROFILE

## ❖ FOG-360 Humidifier ...

*...Humidification technology at its best!!!*

**FOG-360 Humidifier** is a benchmark product in centrifugal humidifiers and a global competitor in spot humidification. Moreover, it is a portable aerosol applicator. We realize that Textile Testing Laboratories require precise RH levels to be maintained during the working period.

**FOG-360 Humidifier** gives you impressive clouds of “*Absolutely Dry Fog*” that will add cool humidity to your room. Powered by a specially designed motor with a thermostat, it can deliver uninterrupted humidification consistently.

While designing the product, care has been taken to ensure that it is primarily an “energy saving unit” and secondarily “maintenance free”. Even the periodical cleaning that may be required is made simple to ensure that a single person completes the job very quickly. The unit weighs only 9 kgs and it is pre- fitted with a float valve for continuously maintaining the water level within the storage tank. It can deliver the fog effect any place, any time, any atmospheric condition.

**FOG-360 Humidifier** generates fog equivalent to 5 ~ 8 microns which will add cool humidity to the area while increasing the RH level too. The particles immediately evaporate into the atmosphere and do not settle down thus preventing condensation on the costly equipment installed in the laboratory.

**FOG-360 Humidifier** is the Industry's highest energy saving humidifier today & its features are unmatched as on date. Some of the highlights of the product are as follows:

Area Coverage:	300 ~ 500 sq. fts.
Lowest Energy Consumption:	90 W (equivalent to a 90 Watts bulb) < 3 units of power are consumed in 24 hrs.
High Humidification Capacity:	4 ~ 6 Ltrs./hr.
Misty fog creation:	5 ~ 8 micron output particles.
Dry Weight:	Only 9 kgs. (Portable design)

Apart from the above, the product has various other benefits like corrosion free materials, negligible maintenance etc., highlighted within the enclosed documents.

### ➤ **PRINCIPLE:**

The electric motor rotates the suction tube and the impeller. Centrifugal force causes the water to rise in the suction tube & onto the spinning disks which throw it against the atomizing ring, reducing it to extremely fine water particles of 5 - 8 thousandth of a millimeter. Water particles of this size are not deposited but are immediately transformed into real air humidity. The air required for atomization is drawn in by the fan, which also distributes the mist to the room.

### ➤ **SALIENT FEATURES:**

1. Quality product for quality conscious customers at an unmatched price.
2. Energy efficient as compared to any other Industrial/Commercial spot humidifier available in the market. Power input: 90 W only.
3. Components are a combination of High Density Plastic and Stainless Steel to absolutely resist corrosion

- and chemical attack—————→ (Very few products carry such high standards)
4. Dirt particles do not get accumulated inside the machine due to a special structure covering the suction grid.
  5. Maintenance is negligible. The machine by itself will never require any maintenance in its functioning. However, to prevent atmospheric conditions from reducing the misty effect, periodical cleaning of water reservoir and filter is recommended and that too can be completed in a short span of time.
  6. "Uniform humidity" will always be ensured as the machine is designed & installed to allow fine water particles to be carried to each and every corner of the room. Equivalent spot humidifiers are generally installed in the corner of a room and output is propelled in one direction only.
  7. Its compact design and low weight utilizes very less space and structural changes or modifications are not required for installing the product. Easy to carry from one place to another.
  8. Extremely useful in textiles Q.C. labs, electronics industry, research chambers etc.

### ➤ **ADVANTAGES:**

- Specially designed motor capable of generating 20000 hrs. of non-stop power to ensure uniform & consistent humidification.
- Completely droplet-free particle size.
- Easy to clean + no nozzles – hence nozzle free reliability.
- Maintenance-free squirrel cage motor with built-in thermal overload switch for protection.
- No high pressure pumps or air compressors required.
- Powerful and heavy duty Industrial / Commercial applications product.
- No wiring necessary – plugs directly into a standard electrical outlet (220 V/50 Hz)
- Very useful for all types of laboratories, where only a humidifier with very fine particle size can be operated so that the electrical equipments inside the lab are not hampered.
- If used along with our "Digital RH Controller" (accessory), the humidification process becomes automatic and no manual presence will be required to monitor and maintain the RH level.
- Silent, portable, sleek design and packed in a ready-to-use condition ensures hassle free installation and the advantage of utilizing the unit almost anywhere.

### ➤ **APPLICATIONS:**

Q.A. / Q.C. Laboratories

Research Chambers

Propagation Rooms

Mushroom Cultivation Rooms

Food/Medical Packaging houses

Warehouses

Timber Industries

Tea/Tobacco Industries

Curing Processes

Horticulture