

FOG-360 HUMIDIFIER

Technical Specifications:

- ◆ Particle Size: 4 ~ 8 microns.
- ◆ Power Consumption: 90 Watts only.
- ◆ Area Coverage: 300 ~ 500 sq. fts.
- ◆ Fog Output: 4 ~ 6 Ltrs./Hr.
- ◆ Power Supply: Single phase, 220 V / 50 Hz.
- ◆ Water Connection: 0.5 inches (< 5 Kg./cm²)
- ◆ Packing Dimensions: 44 x 44 x 46 cms.
- ◆ Dry Weight: 9 Kgs.



Features / Advantages:



Research Chambers & Electronics Industries.

- ◆ When installed in the centre of the room it will ensure uniform distribution of fog particles inside the entire room.
- ◆ Independent Spot Humidification System.
- ◆ No compressed air/water pressure pumps required.
- ◆ Lowest energy consumption in its range.
- ◆ Negligible Maintenance.
- ◆ Specially designed motor with inbuilt thermostat capable of generating 20,000 hours of non-stop power to ensure consistent humidification.
- ◆ No condensation due to very fine particle size.
- ◆ Easy to install. No structural modifications required to install the machine.
- ◆ Specially designed for Q.A. / Q.C. Laboratories,

DIGICON™ - Digital Humidity Controller

The most important aspect of Humidification is the ability to monitor, control and maintain the desired RH level. This is possible using DIGICON™ - our indigenous Digital Humidity Controller.

Just set the required RH (humidity %) on the device and it will automatically switch ON the humidifier if the humidity is lower than the set point and switch it OFF when the humidity goes above the set point. Thus you are always able to ensure consistent humidity levels inside your room/area. The controller works on a PCB design and an ON/OFF relay system.

We offer state-of-the-art model as below:

Brand	Model	Sensor	Application	Accuracy
DIGICON™	DIGI-OS-ROT-C-V1	Rotronics (SWISS) + 1 NTC	For temperatures +1...+50 C and humidity required \leq 95% (With Temp Indicator)	+/- 3%

Further details and technical information is provided below.

DIGICON™ (Humidity Controller)

Model: DIGI-OS-ROT-C-V1



Control Unit



Sensor

For applications maintaining temperature +1 to +50 C and requiring controlled humidity upto 95% RH (comes with Temperature indicator)

- Sleek Digital Controller designed for next generation with continuous digital display.
- Machine On/Off Indicator.
- Online Humidity and Temperature display with wired sensor (10 mtrs. Standard Length provided - can be extended to 100 mtrs.)
- Humidity Display Range: 29% to 100% RH
- Humidity Control Range: 31% to 95% RH
- Device is IP 65 Rated.
- Other features include Keypad lock setting, Time delay setting, Differential setting, High Limit, Low Limit, Alarm setting etc.
- Imported (ROTRONICS - SWISS) humidity sensor (Accuracy +/- 3 RH F.S.D. @ 10.....90 % RH, @ 23 C) + 1 NTC Sensor for temperature indication.
- Working Cycle: 24 hrs.
- Easiest installation. Wall Mounting / Tabletop Mounting of both sensor and control unit.
- Installation Guide: Control Unit to be installed outside the room and sensor to be wall-mounted preferably near wall center.
- Comes with pre-fitted socket to connect the humidifier.

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INTRODUCTION

We manufacture Spot Humidification & Fogging Systems used in Textile Industries & Other Industrial applications. We are pioneers in the field of manufacturing “energy efficient” humidifiers and we already have a global presence in Argentina, Australia, Iran, Japan, Kenya, Nigeria, Pakistan, Singapore, South Africa, Sri Lanka, Switzerland, Thailand, Turkey, UK, & others.

During a short span of time, we have been able to be associated with some branded companies like [Ambuja Cements Ltd.](#), [ACC Ltd.](#), [Raymonds group](#), [Siyaram’s group](#), [Vikram Woollens](#), [SRF Group](#), [Nahar Group](#), [Wockhardt Ltd.](#), [Hindustan Unilever Ltd.](#), [Eastman Group](#), [Sportking Synthetics Ltd.](#), [Rajapalaiyam Group](#), [Tamilnadu Jaibharath Mills Ltd.](#), [Novartis](#), [Dabur Foods Ltd.](#), [BHEL](#), [Blow Plast Ergonomics Ltd.](#), [Mapro Foods Pvt. Ltd.](#), [Johnson & Johnson Ltd.](#), [Ranbaxy Laboratories Ltd.](#), [Dr. Reddy’s Laboratories Ltd.](#), [Bridgestone India Pvt. Ltd.](#), [Lucas TVS Ltd.](#), [Bajaj Steel Industries Ltd.](#), etc.

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. We also manufacture Digital Control systems & accessories to aid the humidification process. Our models are approved by the “Govt. of INDIA - Ministry of Textiles” for their modernisation project.

Achievements so far:

- ISO 9001-2008 certified company (JAS-ANZ accreditation).
- CE certification for Humidifiers, Foggers and Accessories (LMS certified).
- SSI Registered Firm (Directorate of Industries - Maharashtra State).
- First company in India to introduce “ROTOSTAND” for humidifiers and foggers.
- Market leader with over 2000 humidifiers & 1500 foggers in circulation.
- Products approved by Govt. Bodies, Public Ltd. Firms and Private Institutions.

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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 realise that Textile Testing Laboratories requires 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.

➤ **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 millimetre*. 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.

➤ **TECHNICAL SPECIFICATIONS:**

	FOG-360 Humidifier
<i>PARTICLE SIZE:</i>	<i>5 - 8 Microns.</i>
<i>POWER SUPPLY:</i>	<i>Single Phase AC, 220 V/50 Hz.</i>
<i>OPERATING TEMP.:</i>	<i>0 - 50 deg. C.</i>
<i>HUMIDIFICATION CAPACITY:</i>	<i>4 - 5 Ltrs./Hr.</i>
<i>POWER INPUT:</i>	<i>90 W.</i>
<i>WATER CONNECTION:</i>	<i>0.5 inch (< 5 Kg/cm²).</i>
<i>AREA COVERAGE:</i>	<i>400 - 500 sq. fts.</i>
<i>DIMENSIONS:</i>	<i>400 x 400 x 380 mm.</i>
<i>WEIGHT:</i>	<i>9 Kgs. (dry).</i>

➤ **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 etc.

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Why choose humidifiers from IDEALIN FOGGING SYSTEMS™

- The only manufacturer of 100% Indigenous “foggers and humidifiers” in INDIA.
(Dedicated to this field since 1997)
- ISO 9001:2008 certified company.
(EUROCERT Certifications UK Ltd)
- CE certification for all products.
(EUROCERT Certifications UK Ltd)
- SSI Registered firm.
(UAM No. also initiated - Gujarat State)
- UL & CE approved “indigenous” motor used for foggers/humidifiers.
(Quality & performance of our motor is unmatched)
- First company in INDIA to introduce “ROTOSTAND” for foggers/humidifiers.
(Needless to say, the benefits of “uniform distribution of fog particles” can be seen and felt by one & all)
- Market leader with over 8000 foggers & 6000 Humidifiers in circulation.
(Across India and Overseas)
- Only SS304 & higher grade used for all fitting components & metal contacts.
(Quality can never be compromised)
- Products approved by Govt. bodies, public Ltd. firms & private institutions.
- Young team of individuals dedicated to co-ordinating & communicating with you on every aspect of fogging & humidification.
(We do not impose “terms & conditions” in spreading knowledge - Call us today to know more about our products)