



idealín®
FOGGING SYSTEMS

 **CULTRAFOG™**
HUMIDIFIER





Q.C. Laboratories | Research Chambers | Cold Rooms | Food/Medical Packaging | Curing | Horticulture | Etc.

About IDEALIN FOGGING SYSTEMS

We manufacture spot humidifiers since 2002 and have specialised in this field itself since many years. Our core focus has always been to provide "energy efficient" humidifiers to the Industry. We have achieved this by using "best-in-class" motor consuming only 90 watts of power for our humidifiers. Needless to say, our humidifiers have found substantial markets in Argentina, Bangladesh, Bhutan, Cote D'Ivoire, Ireland, Japan, Kenya, Kuwait, Latvia, Netherlands, Nigeria, Pakistan, Russia, Saudi Arabia, Singapore, Sri Lanka, Tanzania, Thailand, Turkey, United Kingdom, Vietnam, Zambia.

During a short span of time, our humidifiers have gained approvals from some top brands:

- | | | | |
|-----------------------|----------------------|-----------------------------------|-------------------------------------|
| □ RAYMOND GROUP | □ VIKRAM WOOLLENS | □ CENTURY RAYON LTD. | □ CARRIER AIR-CONDITIONING GROUP |
| □ BANSWARA GROUP | □ B.H.E.L. | □ SURYA JYOTI SPINNING MILLS LTD. | □ GRINDWELL NORTON LTD. |
| □ NAHAR GROUP | □ SEL GROUP | □ AYURVET AGES PVT LTD. | □ PIDILITE INDUSTRIES GROUP |
| □ SGS INDIA PVT. LTD. | □ ITC LTD. | □ WOCKHARDT HOSPITALS GROUP | □ JOHNSON & JOHNSON LTD. |
| □ ARVIND LTD. | □ TATA MOTORS LTD. | □ HINDUSTAN UNILEVER GROUP | □ SPORTKING INDUSTRIES GROUP |
| □ ACC LTD. GROUP | □ RAJAPALAIYAM GROUP | □ ADITYA BIRLA NUVO LTD. | □ S T COTTET EXPORTS GROUP |
| □ NOVARTIS LTD. | □ TRIDENT GROUP | □ AMBUJA CEMENTS GROUP | □ RELIANCE CHEMOTEX INDUSTRIES LTD. |

IFS achievements so far

- ISO 9001-2008 certified company
- CE certification for all humidifiers and related accessories.
- ROHS certification for all humidifiers and accessories.
- Trust Seal Rating.
- Market leader with > 6000 Humidifiers and 9000 foggers in circulation.
- First company in India to introduce ROTOSTAND for humidifiers and foggers.
- Products approved by Govt. Bodies, Public Ltd. Firms and Private Institutions.



About ULTRAFOG

ULTRAFOG generates approx. 2 ~ 3 microns which will add cool humidity to the room while increasing the RH level too. The particles of such size immediately evaporate into the atmosphere and do not settle down thus preventing condensation. The design of ULTRAFOG is such that the humidifier is to be kept on ground level and the fog is generated at a height of 3.5 fts above @ 45 degrees angle.

ULTRAFOG is the Industry's highest energy saving humidifier today & its salient features are unmatched as on date.

Some of the highlights of the product are as follows:

- Area Coverage: 1500 ~ 2500 cubic fts. (upto 3500 cubic fts. when used with accessory ROTOSTAND)
- Lowest Energy Consumption: 90 W (equivalent to a 90 Watts bulb) < 3 units of power are consumed in 24 hrs.
- Humidification Capacity: 1.5 ~ 2 Ltrs./hr.
- Fog creation: 2 ~ 3 micron (Absolutely dry fog).
- Dry Weight: Only 10 kgs. (Portable design)

Apart from the benefits mentioned earlier, the product has various other benefits like corrosion free materials, negligible maintenance etc., highlighted ahead. We also manufacture Digital Humidity Control systems & accessories to make the overall humidification process automatic.

ULTRAFOG Product Profile

ULTRAFOG 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 critical industrial applications require consistent RH levels to be maintained at all times. ULTRAFOG 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 10 kgs. and it is pre-fitted with a float valve to connect to a direct water line for continuous use. The float valve system also regulates and maintains the water level in the Humidifier. It can deliver the fog effect any place, any time and any atmospheric condition.

Principle

The electric motor rotates the suction pump and the impeller. Centrifugal force causes the water to rise in the suction pump & onto the spinning disks which throw it against the atomizing ring, reducing it to extremely fine water particles of 2 - 3 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

- Technically advanced humidifier. The dry fog (2 ~ 3 microns) produced by ULTRAFOG Humidifier is not produced by any other humidifier in the industry today.
- Quality product for quality conscious customers at an unmatched price.
- Energy Efficient (only 55 Watts) as compared to any other Industrial/Commercial spot humidifier available in the market.
- Material of Construction is a combination of High Grade Engg Plastic and Stainless Steel to absolutely resist corrosion and chemical attack (Very few products carry such high standards)
- Dirt particles do not get accumulated inside the machine due to a special structure covering the suction grid.
- Maintenance is negligible. The humidifier by itself will never require any oiling, greasing, consumables etc. 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.
- 'Uniform humidity' will always be ensured with **ROTO120™** turn table (accessory) since it continuously oscillates the humidifier @ 120 degrees to ensure each and every corner of the room is covered. Humidifiers running without ROTO-120 generally dispense fog in one direction only.
- Its compact design and low weight utilizes very less space and structural changes or modifications are not required for installing the product. Installation is simply done by placing the humidifier on the floor level. Being portable it can also be moved to another room easily if required.

Technical Specifications

- | | |
|---------------------------|--------------------------------------|
| □ Particle Size | 2 ~ 3 Microns. |
| □ Power Supply | Single Phase, 220 ~ 240 VAC / 50 Hz. |
| □ Operating Temp. | 1 ~ 50 Deg. C. |
| □ Humidification Capacity | 2 ~ 3 Ltrs./hr. |
| □ Power Consumption | 55 Watts. |
| □ Water Connection | 0.5 Inch (< 5 Kg/cm ²). |
| □ Area Coverage | 1500 ~ 2500 cubic fts. |
| □ Dimensions | 370 X 370 X 1100 Mm. |
| □ Weight | 10 Kgs. (dry). |

Applications

- Q.A./Q.C. Laboratories
- Research Chambers
- Small Conditioning Rooms
- Propagation Rooms
- Cold Storage Rooms
- Nurseries
- Food/Medical Packaging Rooms
- Curing Processes
- Horticulture etc.

Advantages

- Specially designed motor capable of generating 20000 hrs. of non-stop power to ensure uniform & consistent humidification.
- Completely condensation free humidification.
- Easy to clean (no nozzles - hence no maintenance).
- Squirrel cage motor with built-in thermal overload switch for protection.
- No water pressure pumps or air compressors required.
- Powerful and heavy duty Industrial / Commercial applications product.
- No wiring necessary – plugs directly into a standard electrical outlet (230 V/50 Hz)
- If used along with our accessory **DIGICON™** (Digital RH Controller), 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.



Optional Accessories



Model: DIGI-OS-ROT-C-V1

Digital Humidity Control Systems

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 Controllers. Just set the required RH (%) on the device and it will automatically switch ON the humidifier if the humidity is lower than the setpoint and switch it OFF if it 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 a relay system.

DIGI-OS-ROT-C-V1 Features:

- Plug-and-Play device
- Digital display of relative humidity (29% to 100% RH)
- Digital display of temperature (5oC to 80oC)
- Humidity control range (30% to 95%)
- Imported humidity sensor (Accuracy +/- 3 RH F.S.D. @ 10...90% RH, @ 23 C)
- Standard sensor wire length: 10 mtrs (Can be extended upto 100 mtrs.)
- Differential setting: -2% RH (Eg: If controller is set at 80% RH, humidifier will stop working at 80% and restart at 78%).
- Control device is IP65 rated.
- Other features include keypad lock protection, time delay setting, differential setting, high limit, low limit, machine ON/OFF indication etc.
- Wall mounting / table-top mounting
- Working Cycle: 24 x 7
- Comes with pre-fitted socket to connect the humidifiers plug.

Thus, we have taken into account almost all the functional parameters while designing our control system. It is therefore recognized as a technical pre-requirement for any humidification system. We can customize the control system to meet your requirements. Features can be included / excluded as desired. Please contact our office for your customized requirement.



FILTREX

Transparent Water-Filtration system (with extra cartridge)



120°

ROTO120™
TURN TABLE

Oscillating equipment for humidifiers, essential for maintaining UNIFORM humidity level.

ROTO-120 is a swivelling equipment, which oscillates the humidifier(s) at max. 120° angle constantly. Generally, static humidifiers (positioned at one place), tend to discharge humid particles in a particular direction, while leaving the surrounding area untapped. The result is that pockets of different RH levels are formed inside.

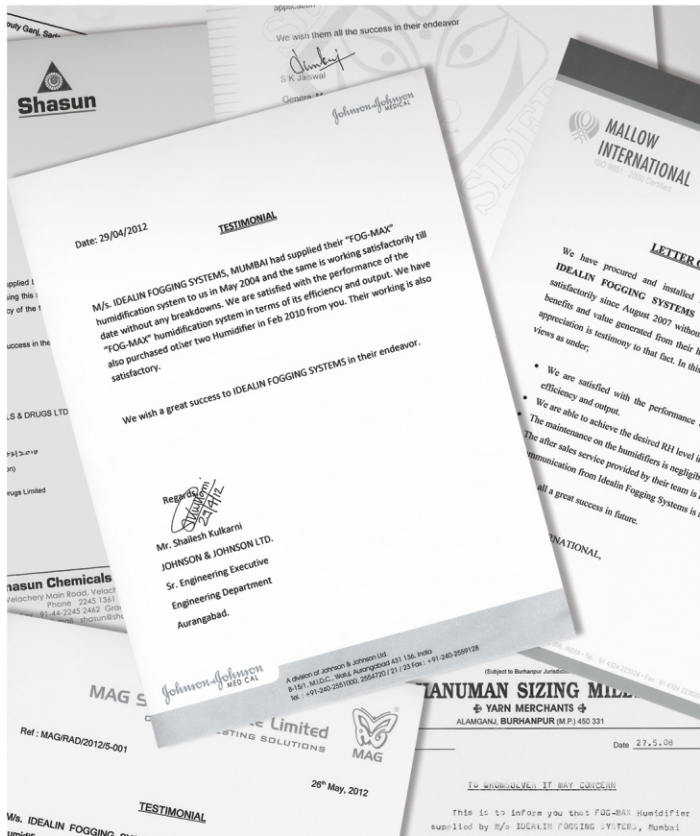
With 'ROTO-120' the humid particles are distributed uniformly inside the closed area and thus each & every corner of the room is treated equally. Efficiency of the humidification system increases by virtue of using this accessory. Available with following features:

- 1 RPM Constant rotation (60° left & 60° right)
- Plug-and-Play device
- Oscillation ensures greater area coverage than conventional Spot Humidifiers.
- It further ensures 'Uniform / Standard' RH level in the area, which is most essential for humidification. Thus, pockets of varied RH levels are avoided.
- Droplets will not settle down and condense as observed in conventional humidifiers.
- Imported motor, imported bearings and precise component structure ensure reliability and standard.
- Equal distribution of humid particles ensures better penetration in the air and thereby better quality of humidification.
- NIL maintenance and trouble free operation.
- Aesthetic look appeals to various industrial applications and hassle free mechanical function used for the equipment ensures longer life.
- MOC: SS304 and higher



Ultrafog placed on ROTO-120

Testimonials



Few more testimonials

- ...We are satisfied with the performance of the machines in terms of its efficiency and output... - ANKUR SEEDS PVT. LTD., Nagpur.
- ...Because of its superior performance, we have purchased one more unit in 2011. - S. A. ANANDAN SPINNING MILLS (P) LTD., Rajapalayam (A Govt. recognised export house).
- ...We are satisfied with their knowledge and inputs in the field which has helped us solve our humidification problems... - SREE DURGA FIBRE PRODUCTS PVT. LTD., Kolkata.
- ...Their Humidification system is excellent and the maintenance cost is negligible. We thank them for their prompt service & communication... - MAHADEV TEXTILES PVT. LTD., Bhilwara.

Why us?

- Dedicated manufacturer of Spot Humidifiers (portable humidifiers) in INDIA. (Passionate & dedicated to this field since 1997)
- ISO 9001:2008 certified company.
- CE certification for all humidifiers, foggers and related accessories.
- ROHS certification for all humidifiers and accessories.
- UL & CE approved motors used for humidifiers. (Quality & performance of our motors is unmatched)
- Always Innovating. Introduced ROTO-120 for humidifiers in INDIA. (Needless to say, the benefits of 'uniform distribution of fog particles' is a pre-requisite in humidification now)
- Market leader with > 6000 Humidifiers and 9000 foggers in circulation.
- 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 humidification. (We do not impose 'terms & conditions' in spreading knowledge – Call us today to know more about our products)

"All our products are warranted for a period of 12 months from the date of invoice. Manufacturer's standard warranty clause applies. For details, visit our website www.humidifiers.co.in"

Note: Due to our policy of continuously upgrading products, technical specifications and features may change without prior notice.



Mfg. by:

IDEALIN FOGGING SYSTEMS

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