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ZECO News

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Introduction

Established in 1989 in New Delhi India, Zeco Aircon Ltd. has come a long way to become world class manufacturer of Air Management System, delivering reliable and superior quality products. With incredible expertise in design and selection of Air Management System, the company is serving the customers according to the application with innovative technology, high quality and cost effective solutions. The company is continuously meeting the demands of the changing and challenging market environment around the globe offering an extensive range of air handling solutions for residential, commercial, industrial, institutional and all other medium & large size spaces to provide that amicable climate indoor.

Zeco's scores of branches in all top metro cities in India like New Delhi, Mumbai, Bangalore, Chennai and soon in Kolkata, narrates the ever expanding tale of company's business. Through its skills and knowledge, Zeco continues to serve its customers with only the finest products. Making things work better, refining improvements in high-performance technologies and investing in healthy and clean air are the core values which lays the foundation of the company.

Since its inception in 1989, Zeco has consistently soared to newer heights by providing the most innovative and latest in Green Air Management Solutions with its world-class range of products & services available all across the globe. This journey has spanned over 25 years in which the company has won various accolades and stepped up to achieve various milestones that make Zeco a stand out in the air purification industry.

Latest News from ZECO

Scope and Status of HVAC industry in India

There is immense scope of HVAC industry in India. In modern India HVAC is playing very vital role in human being's quality of life style. HVAC industry has contributed major part in the life style of rapid urbanization and mass civilization in India. Today wherever you go in your daily routine life be it entertainment, hospitality, hospitals, work place (office), shopping malls, travelling everywhere you have the air-conditioning providing you comfort & that shows the status & importance of HVAC in India.

A brief about ZECO's product range

ZECO Aircon Ltd has wide range of products like Air Handling Units in double skin & single skin, Air Washers, Air Scrubber, Fan section, TFA, Exhaust Units, Special clean room Air Handling Units, Fan Coil Units with ultra low sound level, Dampers, Pre Insulated Pipes, Cooling & Heating coils, Condensing Coils, Factory Fabricated Duct etc, all the products are of world class standards. The coils manufacturing facility is un-matchable and with the help of sound technical background and expertise, ZECO produces 2,00,000 sq. ft. in 1/2" & 3/8" dia coils per month. Presently on the approved panel of Carrier Air - conditioning, Uniflair, denso, Motherson, ESBC, JBT Aerotech USA, ZECO is looking forward to serve many more customers seeking quality. ZECO Air Handling Units are uniquely designed as per the needs of the customers for optimum performance and ZECO has the destination of meeting the desired performance at site unlike other manufacturers in India. All our Air Handling Units are in great demand from sectors like, pharma & pharmaceuticals, hospitals, institutions, research labs, defense, power sectors, IT sector, Industries and many more due to our sustainable quality,

reliability & service commitments. ZECO ducts are made both in L-shaped & preferably in box shaped as per the site requirement. Started five years back with the capacity of 2 lac sq. ft. per month, today ZECO produces 12 lac sq. ft. duct per month both from Bahadurgarh, Malur, and Karnataka factory. Quality with technical features is unmatched. Ducts are strictly made as per the SMACNA standard with 100% quality of GSM assured of GI sheet. Duct can be made in aluminum, S.S., Pre-coated GI and now also Pre- Insulated Duct with lower heat conductivity, higher thermal efficiency and can be rapidly installed.

Importance of R&D for improving technology and product superiority

There is always a scope of improvement and our innovative R&D department works on the up gradation and technical enhancement meeting the standards and certification in tandem with change of norms. Our innovative idea has placed us ahead of others in the HVAC industry. There are some new products in line which we will launch very soon.

ZECO's emphasis on certifications and accreditations

In today's world customers are very quality conscious and emphasizes on environment friendly products complying with the standards. ZECO has ISO 9001:2008 and AHRI certification, CE for electrical safety and is EN and UL certified. By getting the certifications, we definitely have increased our market share and at the same time enhanced our product in performance and quality.

After setting up manufacturing facilities at Delhi,

Haryana, Bangalore, Chennai and Mumbai, Zeco plans to expand on the eastern belt of India very soon. Presently, the eastern part of India is served by our Haryana plant, however, company can consider having one facility in the eastern part.

ZECO's new green & fresh revolution



pureair by ZECO

'PureAir' is a brand name under Zeco Environmental Solution Private Limited ('Zeco') which is a subsidiary of Zeco Aircon Limited. It offers a completely new and innovative range of products for improving the 'Indoor Air Quality'. The PureAir products endeavor to eliminate the Indoor Air Pollution such as Particulates (Dust, Dander & Pollen) Microbial (Bacteria, Viruses & Molds) and Gases (VOC's & Odors) thereby creating a much cleaner, fresher and healthier environment to work / live-in.



Mr. Ravi Singhal - Managing Director

ZECO's Managing Director,
Mr. Ravi Singhal has a very clear vision and belief that people in India will appreciate one day, Zeco's world class quality products and has inculcated a culture in the organization for maintaining good quality in products, work environment & service delivery.

Today ZECO is equipped with premium CNC machines with latest features providing products of international standard with high precision & accuracy. This has definitely proved to be one of the reason for ZECO's multi-fold growth in these 25 years.

The advantages of the PureAir products technology includes being Comprehensive, Fast and Efficient, Assertive, Safe and Reliable, Low Cost and above all User-friendly. They are an effective and energy efficient solution striving to provide your living space and workplace an impeccable quality of fresh and clean air to breathe. Indoor air pollution is considered as a major environmental health concern. Considering that we breathe 23,000 times a day, therefore it is of prime importance that we breathe PureAir.



World class Green Air Management Solutions & Products for a much cleaner, fresher and healthier environment to live-in.

Product Range



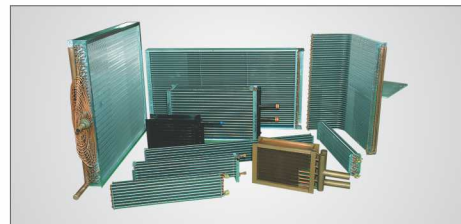
Fan Coil Unit



Ceiling Suspended Unit



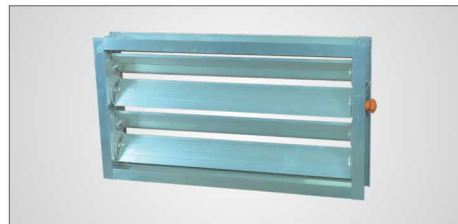
Air Handling Units, Air Washers, HRW Units



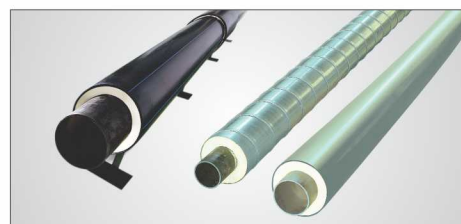
Coils



Condensing Unit



Damper



Pre Insulated Pipes



U Bends



Duct - GI, Aluminum, SS & Pre Insulated

GREAT PARTNERSHIPS SHARE COMMON GOAL



Mr. Antonio Lizzi
Sales Area Manager



Comefri Fans

ZECO Aircon Ltd, a premium name in the designing and manufacturing of Air Conditioning equipment incorporates fans from Comefri SpA as the sole supplier for the fans installed and used in ZECO's products.

Comefri stands as a leading manufacturer and the worldwide distributor of centrifugal fans. The cooperation, recently started with great mutual satisfaction, can be considered as a significant step forward for a major presence of Comefri brand in the Indian market.



Natale Foresti
Vice Presidente



Sagicofim Filters

ZECO incorporates Sagicofim filters in its AHU & FCU units, guaranteeing high Indoor Air Quality.

This decision is a further milestone on the road to excellence, followed by ZECO AIRCON since its inception. SAGICOFIM is one of the largest and most experienced partners in Europe in the HVAC field capable to advise, design and offer appropriate and modern solutions thanks to its skills and its expertise. It manufactures a complete range of air filtration solutions, becoming the very first Italian absolute filters manufacturer.



ZECO has become sole distributor to sale **JUST FREE** make Germicidal Ultra violet-C emitter in India to prevent growth of micro-organism contamination in the HVAC system.



PUREAIR - YOUR SHIELD AGAINST THE MICROBES AND OTHER AIR POLLUTANTS



With the rise of flu and other pollutants in the atmosphere, having clean & fresh air to breathe is highly integral. Microbes such as bacteria, viruses, fungi, spores and mold which are a major cause of allergic reactions, irritations, infections, congestion and many other related respiratory problems. At PureAir, we endeavor to provide a cleaner, fresher and healthier environment, free from above mentioned microbes, foul odors and airborne particulates & germs. Its high success ratio in reduction of airborne microbes and particulates stands as a testimony of our high quality of the product. PureAir's Aggressive Advanced Oxidizers travel through the room assertively attacking all the pollutants making each breath invigorating. PureAir incorporates innovative environmental technology which has been tested and approved by U.S. Government, U.S. Military, UL, ETL, Chinese Government to name a few.

PureAir is the exclusive master distributor of RGF environmental products USA. RGF manufactures & distributes over 500 environmental products & services in more than 60 countries worldwide and owns numerous patents, trademarks & awards significantly for its new technology. PureAir device significantly reduces the root cause of the above problems, making the surrounding safer and healthier. It is a very effective medium of cleaning the germs & odors in toilets which are the biggest source of germs in houses & offices.

Advantages of PHI and REME Technology

Comprehensive - PHI™ Cell reduces not only germs, viruses and bacteria but also harmful gases, VOCs, odors, tobacco smoke, suspended airborne particulate as small as 0.3 mm (REME™ only), which are common indoor air pollutants in modern buildings.
Fast and efficient - The efficiency of PHI™ Cell is much faster than ozone and UV light PHI™ Cell not only treats the air that passes through the

device, but also it sends the friendly-oxidizers into the entire room for complete coverage. They are not just waiting, but they assertively attack the bacteria, gases and odors.
Safe and Reliable - Advanced Oxidation Process is based on nature's natural air purifying process. The laboratory tests show inactivation rate of most virus at 99+%.
Low Cost - Traditional air purifiers often require

An Environment Friendly solution to Indoor Air Pollutants

The breakthrough in the Air Purification Technologies is the Advanced Oxidation Process where group of oxidants known as Hydro-Peroxides sanitize the air. Hydro-Peroxides have been a common part of our environment for over 3.5 billion years. Hydro-Peroxides are created in our atmosphere whenever three components are present: Oxygen molecules, water vapor and energy. Photohydroionization (PHI) technology by PureAir recreates the same environment indoors. Hydro-Peroxides are very effective at destroying the harmful microbial in the air and on surfaces.

As oxidants, they do this by either destroying the microbe (Bacteria, Virus and Mold spore) through a process known as cell lysing or by changing the molecular structure and rendering it harmless (which is in the case of VOC's and Odors). The amount of Hydro-Peroxides required to accomplish this task in a conditioned space is well below the level that is constantly in the outside air.

The Reflective Electro Magnetic Energy Cell (REME) has an additional benefit as compared to PHI i.e., removal of particulates by Ionizing the Hydro-Peroxides. The REME cells emit negative ions in the ambient air attracting with the positively charges airborne particulates making them heavier and thereby settling them down so that they are no longer airborne and harmful. The stark difference in comparison to other technologies, the PHI and REME technologies are proactive in terms of reaching out to the air pollutants in the air in the entire ambient space and not wanting the contaminants to travel to the system which most air purification technologies work on. The Advanced Oxidation Technologies (PHI/ REME) cells have specified for MRSA and Norwalk virus protection plans for Amercia's hospitals, Doctors Clinic, Hotels, Restaurants, Public schools and Theme Parks.

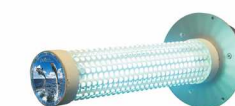
There is no known case of Hydro-Peroxides ever creating a health concern. Over the past 20 years, more than 1 million Advanced Oxidation products have been successfully used worldwide without a safety problem. This is a technology approved/ registered by Environmental Protection Agency, TUV, ETL, UL, European Union, USDA, FSIS, Governments (Chinese, Japanese & Canadian), Electric Power Research Institute and many more.

PureAir PIP

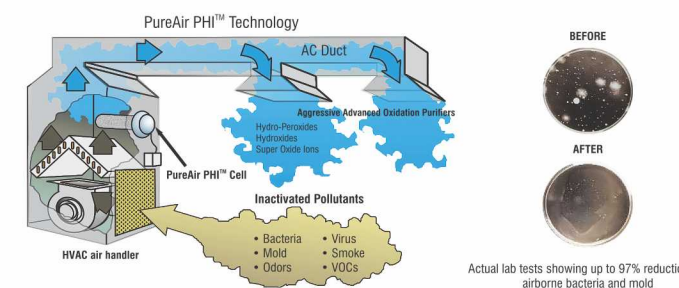


The PureAir Plug In Air Purification System by Zeco, designed by RGF Environmental Group to eliminate bacteria, mold, odor and VOCs. The advantage of the PureAir PIP is its ability to be used in any room with or without air conditioning. This stand alone unit is apt for residential/ personal application.

Photohydroionization™ (PHI) Technology



The PureAir PHI™ by Zeco is designed by RGF Environmental Group to eliminate sick building syndrome risk by reducing the air pollutants such as Bacteria, Mold, Viruses, Smoke, Odors and VOC's.



Actual lab tests showing up to 97% reductions of airborne bacteria and mold

frequent media change and regular maintenance, which result in high operational cost. It is a zero maintenance product.
User-friendly - PureAir PHI™ system is small, compact, lightweight, easy to install and required no modification to existing HVAC systems. It also does not require regular cleaning or maintenance.
Assertive - Many air purifiers only purify the air that passes through the device. This result in a large percentage of the room left untreated and unprotected.

Applications

- Airports
- Hospitals
- Doctors Offices
- Pharma & Biotech Companies
- Hotels
- Resorts
- Bars & Restaurants
- Fruit and Vegetable Packing and Storage
- Chicken Processing Plant
- Cheese Processing
- Storage Facilities
- Schools and Universities
- Office Buildings
- Industrial Facilities
- Retirement Facilities
- Fitness Centers
- Homes / Villas
- Military Tents
- Offshore Rigs – living quarters
- Court Houses
- Cruise Lines

Air Is The Ocean We Breathe

Exposure to air pollution is associated with numerous effects on human health, including pulmonary, cardiac, vascular, and neurological impairments. Exposure to air pollution can cause both acute (short-term) and chronic (long-term) health effects. Acute effects include eye irritation, headaches, and nausea. Chronic effects health effects include decreased lung capacity and lung cancer resulting from long-term exposure to toxic air pollutants. Time has come not to take Air we breathe for granted and use Advanced Oxidation Technologies to combat Air Pollution and in turn enhance life expectancy for a healthier living. Hydro-Peroxides are friendly oxidizers it reverts back to oxygen and hydrogen after oxidation of the pollutant. We provide clean & fresh air without the use of chemicals.

PureAir device significantly reduces the root cause of the above problems, making the surrounding safer and healthier. It is a very effective medium of cleaning the germs & odors in toilets which are the biggest source of germs in houses & offices.

