

## AJACRA News

#### An All India Air Conditioning & Refrigeration Association Newsletter

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Mr. Sumeet Saxena General Secretary AIACRA



Mr. Harpreet Singh President AIACRA 2023-25



Mr. Anoop Kapoor
Treasurer AIACRA

#### New Guards at AIACRA

Mr. Harpreet Singh, Director Sant Industrial Controls Pvt. Ltd., was declared President AIACRA for the period 2023-25 at the AIACRA AGM held at Hotel The Lalit, New Delhi on 22 September 2023.

This time two new posts of General Secretary and Treasurer were added to the Managing Committee of AIACRA during the above said AGM 2023.

Mr. Sumeet Saxena of Spantech India Pvt. Ltd. as the General Secretary AIACRA.

Mr. Anoop Kapoor of Nisha Enterprises as the Treasurer of AIACRA.

Heartiest congratulations to Mr. Harpreet Singh on being elected President of AIACRA for the period 2023-25 and to our first General Secretary Mr. Sumit Saxena and first Treasurer Mr. Anoop Kapoor. We are confident that this new dynamic team will take AIACRA to new heights of success. Best wishes and good luck for their future endeavors.

## Join AIACRA Delegation to China Refrigeration Expo 2024



**WE** are pleased to inform that AIACRA is taking its Official delegation to China Refrigeration Expo 2024 being held at Beijing, China from 8-10 April, 2024. The tour will be for 4 nights and 5 days.

Members interested in joining the AIACRA's official delegation to CHINA REFRIGERATION, 2024 should immediately contact AIACRA secretariat at 9910055592

We hope you will take advantage of this exclusive opportunity to visit one of the best international exhibitions of the world in the field of Air Conditioning, Refrigeration, Heating, Ventilation, Food Processing and related industries.



15-17 FEBRUARY 2024 INDIA EXPO MART

GREATER NOIDA, DELHI NCR, INDIA

#### **ACREX INDIA 2024**

15-17th February 2024, IEML, Greater Noida, Delhi NCR

**ACREX India 2024**, South Asia's largest Exhibition on Air Conditioning, Heating, Ventilation and Intelligent Buildings, would stay buzz for visitors in terms of knowledge transfer and professional dialogue. It promises to provide and deliver endless opportunities.



Register through this QR Code now, to avoid last moment hessel. For enquiries on this contact AIACRA Secretariat at 9910055592.

#### **REFCOLD INDIA 2024**

REFCOLD India 2024 is India's premier exhibition and trade expo most valuable and comprehensive business-to-business networking event serving the perishables industry.



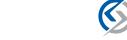
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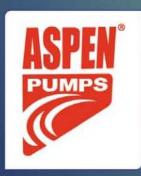


















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## MESSAGE FROM PRESIDENT

Dear Members & Friends!

Greetings

It is my great pleasure and privilege to be the AIACRA President. I have been serving the Indian HVAC & R industry since 1998. A long inning indeed! That brings responsibilities too.

AIACRA has a rich history of Achievements, driven by the dedication and hard work of its members. Together, we have accomplished remarkable milestones and I am committed to continuing this tradition of excellence.

As we embark on this new chapter, I want to emphasize the importance of Unity and Collaboration. Our collective strength lies in our ability to work together towards common Goals.

I encourage each member to actively participate, share their ideas, and contribute their expertise to help AIACRA move forward.

In the coming months, we will face challenges and opportunities that will require our collective efforts. Rest assured, I am fully committed to transparent leadership, open communication, and inclusivity.

We must remember that the success of AIACRA is a reflection of the dedication and passion of its Leaders & Members. Together, we can achieve great things. I look forward to working closely with all of you, and I am excited about the journey ahead.

We at AIACRA will always remain faithful to its vision to support, promote and educate its members. We are committed to revitalize cooperation and collaboration among members for improved system as well as products to fully benefit our members.

As a President I look forward for the fruitful and frequent interaction with you in AIACRA's future activities.

Thanking you all once again for your trust, and let's build a brighter future for our AIACRA together.

Best wishes to you all.

Thanking you, Sincerely yours,

HARPREET SINGH President AIACRA



MR. HARPREET SINGH,

President, AIACRA



## High Tea Session with Darya Ganj members on 12th January 2024 at Moti Mahal Restaurant, New Delhi







#### **Executive Committee Team AIACRA**



**Mr. Harpreet Singh**, President AIACRA



**Mr. Rajendra Mittal**, Immediate Past President AIACRA



**Mr. Jagmit Singh**, Director/Former President AIACRA



**Mr. Vikram Luthra**, Vice President AIACRA / President NIRATA



Mr. Gulab Gulgulia, Vice-President AIACRA / President RATASI



**Mr. Navin Lamba**, Vice President AIACRA / President EIARA Kolkata



Mr. R P Singh, Vice President AIACRA/ President TCRDA



**Mr. Sumeet Saxena**, General Secretary AIACRA



**Mr Anoop Kapoor**, Treasurer AIACRA



**Mr. Yashpal Sandhu**, EC Member AIACRA / Former President NIRATA



**Mr. S. Srinivasan**, EC Member



Mr. Ashok Mittal, EC Member AIACRA / Former President NIRATA



**Mr. Sumeet Chawla**, EC Member



**Mr. M. P. Singh**, Special Invitee



**Mr. Amarpal Singh**, Special Invitee



**Mr Brijesh Sharma**, Special Invitee



**Mr. K. K. Sharma**, Special Invitee



**Mr. Sanjay Kapoor**, Special Invitee



**Mr. Tarun Gupta**, Special Invitee



**Mr. Neeraj Checker**, Special Invitee



**Mr. Satpal Singh Sandhu**, Special Invitee



**Mr. Chhatar Singh**, Special Invitee



Mr. Abhishek S Bhura, EC Member AIACRA/ Secretary RATASI



**Mr. Manish Gadiya**, Special Invitee AIACRA/ Treasurer RATASI



Mr. Vivek Bachchawat, Special Invitee AIACRA/ Vice President RATASI



Mr. Vinod Kundalia, EC Member AIACRA/ Secretary EIARA



Mr. Anil Bammi, EC Member AIACRA/ Secretary TCRDA



## AIACRA's 52<sup>nd</sup> AGM

## Held On 22<sup>nd</sup> September 2023 At Hotel The Lalit, New Delhi











Some of the Key Highlights of this successful event were as follows:

- Announcement of new President of AIACRA, Mr. Harpreet Singh, for the term 2023-25
- Launch of AIACRA Directory Golden Jubilee Edition
- MOU of AIACRA with RASSS

- Event attended by the stalwarts of the HVAC& R Industry
- We highly appreciate the continuous support of the event sponsors
  - ◆ Danfoss Industries Pvt. Ltd.
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#### **NIRATA NEWS**

## NIRATA AGM held on 27th October 2023 at NSCI Club, New Delhi

Norther India Refrigeration and Air conditioning Trades Association (NIRATA) recently concluded its 44th Annual General Meeting (AGM) along with with the most Prestigious NIRATA Awards Nite:

NIRATA Awards Presented to:

- RATAN LAL SEHDEV LIFETIME ACHIEVEMENT AWARD Mr. YASHPAL SANDHU (AIR N GAS CONTROL)
- BEST MSME AWARD M/S MICROCOILS & REFRIGERATION PVT. LTD.
- BEST TRADES AWARD M/S MODI REFRIGERATION, JAIPUR

At this event Norther India Refrigeration and Air Conditioning Trades Association (NIRATA) signed a MOU with Refrigeration & Air -Conditioning Servicing Sector Society" (RASSS) to extend mutual support between both the associations. MOU was signed by NIRATA President Mr. Vikram Luthra and Mr. Karamjit Singh Ladhar, President RASSS along with NIRATA & RASSS EC Members present at the event.

Further extending their outreach, NIRATA distributed over 500 NIRATA NOTEBOOK to various stakeholders of refrigeration & air conditioning trade across various regions in North India. This generous gesture was not limited to the association's members but also extended to non-members within the refrigeration industry.





























### The REFRIGERATION HOUSE































Visit us at: Acrex India 2024, Hall No.: 9 / Booth No.: F-20, 15-17 February



### The REFRIGERATION HOUSE



Visit us at: Acrex India 2024, Hall No.: 9 / Booth No.: F-20, 15-17 February



#### **RATASI NEWS**

## RATASI AGM 2023 held at hotel Ramada, Chennai







HE Refrigeration and Air Conditioning Trades Association South India (RATASI) recently concluded its 68th Annual General Meeting (AGM). The event witnessed an array of activities and thoughtful gestures, emphasizing both commemoration and companionship among members.

During the AGM, RATASI displayed a token of appreciation by distributing exquisitely designed clocks among the members. These clocks symbolized the association's commitment to timely progress within the industry, reflecting the dedication of its members towards advancing the field of refrigeration and air conditioning.

As a gesture of gratitude and utility, RATASI presented all its members with elegantly crafted paperweights and multifunctional mobile stands. These thoughtful gifts not only served as memorabilia for the historic milestone but also as practical accessories for the members' professional and personal use on 75th Independence Day of India.

Further extending their outreach, RATASI had distributed over 1000 meticulously designed di-



aries to various stakeholders of refrigeration & air conditioning trade across various regions in South India for the year 2023. This generous gesture was not limited to the association's members but also extended to non-members within the refrigeration industry. The diaries served as a functional tool for organizing thoughts and plans while commemorating the association's significant milestone

Sportsmanship and team spirit took centre stage as the association organized an exhilarating cricket event, fostering a sense of unity and

friendly competition among its members. The event not only showcased the passion for the game but also strengthened the bonds within the refrigeration community.

These initiatives underscore RATASI commitment not only to the advancement of the refrigeration and air conditioning sector but also to fostering a sense of community and collaboration within the industry. The AGM's celebrations not only marked a historical milestone but also served as a testament to the association's dedication towards its members and the industry's growth.

In essence, the Refrigeration and Air Conditioning Trade Association's 68th AGM, commemorating the 76th year of independence, was a blend of appreciation, camaraderie, and forward-thinking initiatives that set a promising tone for the industry's future endeavors.

This event stands as a testament to RATASI's commitment to excellence and collaboration within the industry, paving the way for continued innovation and progress in the field of refrigeration and air conditioning trade.



## Tecumseh: Pioneering Excellence in Refrigeration Solutions

NTHE intricate temperature control and refrigeration, Tecumseh has been an unwavering maestro, orchestrating innovation and reliability for nearly a century. Established in 1934, Tecumseh Products. Company has evolved into a global leader, crafting cutting-edge compressors and refrigeration solutions that resonate with precision and performance.

#### **LEGACY OF INNOVATION**

Tecumseh's journey is a saga of technological leaps and groundbreaking solutions. From introducing hermetic compressors to revolutionizing the refrigeration landscape, Tecumseh has consistently set benchmarks for the industry. The legacy of innovation is not just a tagline; it's a commitment woven into every product.

#### **GLOBAL PRESENCE, LOCAL IMPACT**

With a footprint in over 100 countries, Tecumseh's impact reverberates globally. Yet, it's the local touch that sets Tecumseh apart. Understanding the nuances of diverse markets, Tecumseh tailors solutions that address the specific needs of each region.

#### **COMMITMENT TO SUSTAINABILITY**

In an era where environmental consciousness is paramount, Tecumseh stands tall with a commitment to sustainable practices. The focus extends beyond products to manufacturing processes, embodying a responsible approach to reduce the carbon footprint.

#### **INNOVATIVE PRODUCT PORTFOLIO**

Tecumseh's product portfolio is a testament to versatility and efficiency. From hermetic and semi-hermetic compressors to condensing units, Tecumseh's offerings cater to an array of applications —be it commercial refrigeration, aftermarket solutions or last mile refrigerated delivery solutions. The launch of semi-hermetic condensing units and TCW R290 further showcases Tecumseh's commitment to diversification and staying

ahead of industry trends.

#### **CUSTOMER-CENTRIC APPROACH**

At the heart of Tecumseh's success is a relentless commitment to its customers. A customer-centric approach isn't just a business strategy; it's ingrained in Tecumseh's DNA. Every product, every solution is crafted to meet the evolving needs of clients worldwide.

#### **LOOKING AHEAD**

As Tecumseh steps into the future, the commitment to excellence remains unwavering. The journey ahead is fuelled by innovation, sustainability, and an unwavering dedication to being at the forefront of refrigeration solutions.

In a world where precision and reliability matter, Tecumseh continues to be the name that resonates with trust, innovation, and a relentless pursuit of excellence. The journey continues, and the story of Tecumseh unfolds with every refrigerated breath the world takes.

## A Shift Towards Natural Refrigerant for Sustainable Future

OMPRESSOR technology has been around for more than 360 years, and in that time, we've seen tremendous advances in its technology, efficiency, and performance.

In recent years, compressors have come with a wide range of technological advancements. Positive displacement compressors using pistons and screws are designed for various pressure ratios. In the field of ammonia industrial refrigeration, compressors have an integral semi-hermetic IPM motor, which has not only reduced the risk of leakage of ammonia but also improved the overall COP as the motor is cooled with the refrigerant and takes up to 25% less energy at peak load. As we can see that the world is shifting towards more natural refrigerants and excluding harmful GWP refrigerants from the fields to reduce net carbon emissions and carbon tax. Frick India Compressors are manufactured with very high-precision machining centres and have an expected overall life of 20 years. However, with high-pressure refrigerant like CO<sub>2</sub>, which has gained popularity since 2018, the internal lobe and piston clearances have been reduced; furthermore, the outer compressor frame has

curvy and thicker walls, and DX cooling methods have also had an impact on the expected life of compressors.

Our variable speed drives have improved the energy consumption of systems with variable load conditions. It can be seen that holding on to the evaporator temperature is more precise with the variable speed of the compressor, which saves power up to 40% versus a direct starter system. The initial investment in additional variable drives is one of the factors that is decided as per the size of the product load and the variation in temperature it requires from harvest to storage in the cold chain.

The selection of a compressor for the correct refrigeration application is essential to determining the cooling performance. A standby compressor is always recommended to ensure zero downtime in production. Screw compressors are therefore used in industrial refrigeration, which fulfils both high pressure ratio and energy efficiency requirements for refrigeration plants using an independent intercooler with liquid injection in the compressor.

Over the past decade, major developed countries have banned the use of high-GWP refrigerants and

are moving towards safer and greener refrigerants, which comparatively have low GWP. We encourage our users to monitor  $\mathrm{CO}_2$  emissions from their cooling and heating process facilities annually and take adequate measures to eliminate harmful effects on the environment by encouraging the use of natural refrigeration systems.

In the case of oil and coal, 2260 Mega joules of primary energy are needed, whereas natural refrigerants like  $CO_2$  and ammonia, which have close to zero GWP, consume only 15 kilowatt hours (54 MJ) to generate the same 1 tonne of vapour. This is because of the reuse of the latent heat of natural refrigerant.

Our customers are the driving force behind all our innovations. All their requirements are upheld to ensure compact and reliable machinery and services. We provide our people with the right platforms to succeed as engineers, bringing improvements that are in line with sustainability and the needs of society at large. Our innovation is important to cut food and resource wastage, and we play an important role in being part of the food security and annual income of the country.

**COURTESY FRICK INDIA LIMITED** 



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Airconditioning Spare Centre, Mumbai

Helious Specialty Gases Pvt. Ltd., New Delhi

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Synergy Communications, Solan

#### **ASSOCIATE MEMBERS**

Vijay Refrigeration And Aircondition Services, Kohlapur,

Bansal Metal Corporation, Thane

Sandhu Engineers And Fabricators, Bahadurgarh

Sandhu Engineering Works, Bahadurgarh

Zntek Engineers, Tondalja

Shakti Airconditioners, Chandigarh

Cool House, Thrissur

Eskay Refrigeration & Electricals, Ambala

Singh Commercial Kitchen Equipments, Mohali

Varun Enterprises, New Delhi

Aircontrols, New Delhi

Ranjit Industries, Malerkotla

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The Cooling Solutions, Secunderabad

Secunderabad Refrigeration And Electricals, Secunderabad

B. B. Refrigeration, New Delhi

Ganesh Enterprises, Secunderabad

Tulsi Refrigeration, Secunderabad

The Ranko Refrigeration Co., Secunderabad



## WHY JOIN AIACRA



#### We Welcome new members!

Members are the strength of an association. At AIACRA we are in process of further building this strength. Here are some reasons to join us:

- Join our Technical Webinars to expand & update yourself.
- Attend our Networking Dinners and Events.
- Get Overseas Trade Exposure and join our Group Tours to prominent Exhibitions around the world for international business collaborations.
- Be informed with our quarterly Newsletters with an opportunity to take out your advertisements and technical information.
- Be part of the AIACRA Directory and Advertise to stand out.
- Join our Outstation meetings held at major cities across the country for awareness and participation on a national level.
- Join us in making representations at various government departments to address concerns relating to Industry.
- Use the AIACRA facilities for holding conferences and business meetings.
- Be a VIP through AIACRA delegations.
- Join the EC of AIACRA and work for the betterment of our trade & industry.

### **AIACRA Annual Membership Fee for different categories are**

Patron Membership: Rs. 10000/-

**Sustaining Membership :** Rs. 5000/- **Associate Membership fee:** Rs. 3000/-

Registration Fee: Rs.1000/-

Contact AIACRA Secretariat At 9910055592

#### **ALL INDIA AIR-CONDITIONING & REFRIGERATION ASSOCIATION**

DSM-165, DLF Towers, 15 Shivaji Marg, Najafgarh Road, New Delhi – 110015. INDIA, Ph.: 9910055592 Email: aiacraindia@gmail.com



#### **RASSS NEWS**

## Technical training programme on Inverter Technology Organised by Voltas Ltd. with support of RASSS















AIACRA-RASSS, MOU signed on 22-09-2023

President AIACRA honoured by Dr. V. Ravishankar Founder/State President TARETU

Glimpse of AIACRA-MoEF&CC Super successful Ludhiana workshop on HFC's phase down with Support of Team RASSS. Our Heatfelt Thanks to President Mr. S. S. Bedil and all the Members RASSS Punjab Team





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