

# Aspen Pumps leads the way in HVAC condensate removal

Aspen Pumps is a UK manufacturer of condensate removal pumps for HVACR systems operating in over 80 countries worldwide.

The achievements and success of Aspen Pumps has been built by the hands-on knowledge of air-conditioning installation engineers and has grown into the market leader in condensate removal. Aspen's continuous focus is to make the installer's life easier and to offer the most reliable condensate removal pumps in the World.

Aspen offers a professional and convenient method for removal of condensate – from Air-conditioning and Refrigeration equipment's like Mini Splits, concealed/hidden units, Cassette ACs, Ductable units, VRF systems, AHUs, humidifiers, refrigeration units, cold rooms, etc. Aspen's pumps are not a retrofit or aftermarket solution. Instead our pumps provide a flexible, quick and reliable solution to evacuate the condensate water for any new HVACR installation within either a new building or a refurbishment project.

The installation of an Aspen pump provides great benefits to all parties in the chain:

- 1) To the HVACR distributor our pumps offer an increased product portfolio with higher turnover and margin possibilities.
- 2) To installers it offers unparalleled flexibility, faster installation and increased revenue. It also raises the profile of your installation company.

- 3) To the end-user it offers the perfect aesthetic solution, no more water dripping down the exterior wall and no risks of interior water damage / mold formation, etc.

Aspen Pumps has a full range of condensate removal pumps, with flow rates from 12L per hour to 1800L per hour:

- mini-pumps for high-wall units
- tank pumps for ceiling cassettes and large volume applications
- refrigeration pumps for supermarkets
- peristaltic pumps for high demand applications such as hotels, offices or hospitals

Aspen's products are being distributed through a number of selective channel partners throughout India. To find out more about our products and where to buy them, please contact our regional Sales Manager: Dheeraj@aspenpumps.com

For further information please visit: [www.aspenpumps.com](http://www.aspenpumps.com)



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condensate removal



- 19dB(A) Quietest in its class
- Ultra slim design to fit in the smallest of spaces like mini splits and concealed split units
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- Now includes anti-vibration bracket
- High performance motor
- Clear reservoir for easy inspection
- Discharges condensate water up to a maximum head of 8m
- Maximum water pumping capacity of 14L/hr discharge

**silent+**  
MINI AQUA

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designed by engineers for engineers

# AIACRA News

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An All India Air Conditioning & Refrigeration Association Newsletter

Sept. 2012 - Jan. 2013



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## HARFKO – 2013, KOREA

The 12<sup>th</sup> Heating, Air-conditioning, Refrigeration and Fluid Exhibition KOREA

HARFKO is the Korea's largest international exhibition for heating, refrigeration and air-conditioning industry. It was first held 24 years ago and it is now the 12<sup>th</sup> show of HARFKO. This Heating, Air-conditioning, Refrigeration and Fluid Exhibition Korea will be held from 12 to 15 March, 2013 at the first exhibition hall of KINTEX in Ilsan hosted by the Ministry of Knowledge Economy and organized by the Korea Refrigeration and Air Conditioning Industry Association. HARFKO 2013 will be exhibiting 200 companies from 23 countries.

HARFKO 2013 is expected to present the future picture and vision of heating and air conditioning companies in Korea, serving as a momentum for their branching out into overseas markets. HARFKO will offer a good opportunity to obtain detailed information about the latest developments as well as products, systems and services in HVAC & R industry in Korea. Almost all manufacturers of HVAC & R equipment in Korea and some from China are going to exhibit their newest products and services at HARFKO. AIACRA plans to take a member delegation to this show in assistance from the organizers. We encourage our members to take full advantage of this special opportunity.

Members who are interested to join the AIACRA delegation to HARFKO may contact AIACRA Secretariat at 011 42657225 or email at [aiacraindia@gmail.com](mailto:aiacraindia@gmail.com) for further information.

## 10<sup>th</sup> Official AIACRA Delegation To China Refrigeration 2013, Shanghai, China

The 24<sup>th</sup> China Refrigeration – 2013 Expo, one of the largest international trade fair serving the HVAC & R industry, is being held at Shanghai New International Expo Centre (SNIEC), Shanghai, China on 8<sup>th</sup> to 10<sup>th</sup> April, 2013. CR Expo is a world renowned exhibition and there lies a huge potential for business with China in sectors of Refrigeration, Air-Conditioning, Heating, Ventilation, Frozen Food Processing, Packaging and Storage which it caters to.

CR Expo makes every effort to expand the group of trade buyers, end-users and influence worldwide. The exhibition has established strategic partnership relations with most of the important organizations and key players of the industry all over the world. Taking part in China Refrigeration Expo means to be a part of the international network, benefiting with more competitive advantage and cooperation opportunities.

Each year, CR Expo welcomes more than 40,000 professional visitors and trade buyers from over 100 countries. CR Expo promises to provide an ideal platform for launching latest technology and products, interpreting industry trends and policies, as well as being the marketplace of international trade.

CR Expo has been focusing on extending the groups of end-users and professional buyers. We are delighted to invite all our esteemed members to join the 10<sup>th</sup> official AIACRA delegation to China Refrigeration Expo – 2013, Shanghai, China. For the past nine years, AIACRA has been taking its delegations with VIP status to this grand exhibition. The total cost of the tour package for AIACRA's members is Rs. 55,650/- per person which is most economically structured to assist our members to the fullest. The AIACRA tour package is for 4 Nights and 5 Days and includes air fare, local transportation to and fro venue, twin sharing accommodation in a 4/5 star centrally located hotel, services of a professional tour guide, some sightseeing, daily Indian dinners, assistance for factory / business visits, etc. The last date of registration to join the AIACRA China delegation is 28<sup>th</sup> February, 2013. Please confirm your seats at the earliest as space may be limited. A booking advance payment of Rs. 10,000/- is applicable. Members who are interested to join the 10<sup>th</sup> AIACRA official delegation may contact AIACRA Secretariat at 011 42657225 or email at [aiacraindia@gmail.com](mailto:aiacraindia@gmail.com) for further information.

## Synthetic Oils for R134a Refrigeration Compressors

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**DRI officials seize 55.7 tonnes of cylinders**

Special Correspondent  
CHENNAI: Officials of the Directorate of Revenue Intelligence (DRI), Chennai, seized 55.7 tonnes of cylinders, which were said to contain ozone depleting gases, from a container freight station in Perambur on Monday.

In the documents filed by the importer it was declared as 'Refrigerant gas - HCFC R401 A'.  
When the officials tested with electronic Refrigerant gas testing kit, it revealed that the cylinders were filled with R22 gas and not R401A gas as declared in the documents.

The Hindu : Wednesday, Dec 15, 2010



**Cheap Refrigerant may not be really Cheap !**  
Beware... the Refrigerant R22 or R134a you may have purchased could contain lethal spurious mixtures

**Consequences may include**

<b>Explosions</b> 	<b>Cylinder Bursts</b> 	<b>Blast of Refrigerator</b> 	<b>Car Catching Fire</b> 
<b>Locked Rotor Resulting in Burnt Compressor</b> 	<b>Imprisonment (Violation of Gas cylinder Rules)</b> 	<b>Death/Injury due to Asphyxiation (In case of Leakage)</b> 	

**System Failures**

- ❖ Coil Choking
- ❖ Low Cooling
- ❖ Micro leakage in coil
- ❖ Corrosion in systems
- ❖ Sludge formation in compressor

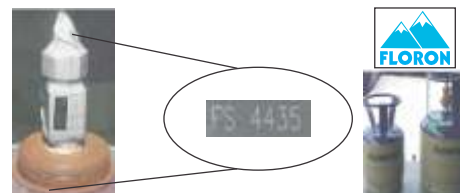


**Recent Mishaps in News**

'Don's daughter, son-in-law charred to death...': IANS, Chennai, Oct 6, 2010 ❖  
'1 dead after AC explodes in MIDC...': HT, Mumbai, Oct 3, 2010 ❖ 'Blast in refrigerator injures four of family...': TNN, Mar 14, 2010 ❖ 'Four injured in refrigerator blast...': IANS, Mar 13, 2010 ❖ 'Woman killed in AC blast...': HT Media, New Delhi, Apr 25, 2009

**Be Sure Be Safe:**

- ❖ Purchase only from authorized distributors of refrigerant manufacturers.
- ❖ Insist on invoice with manufacturer's name, cylinder no and date of filling.
- ❖ Purchase 'FLORON', available in factory sealed Cylinders of 5, 10 and 61 Kg. packaging.
- ❖ Check Seal for Hologram.
- ❖ If in doubt about genuineness of 'FLORON' brand, contact : Chief Manager Marketing - Refrigerants, SRF Limited +91-124-4354438 or E-mail: refrig@srf.com



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**INDIA COLD CHAIN EXPO – 2012**  
(SUPPORTED BY AIACRA)



The annual ICE event was held at the Ashoka Hotel, New Delhi on 4 - 5 December, 2012. The event was organized by ICE Centre of Excellence with the support from Agriculture Ministry and the Indian Cold Chain industry.

This, fourth edition of ICE (conference, exhibition & awards) was inaugurated by Mr. Tariq Anwar, Minister of State (Agriculture and Food Processing Industries) along with Dr. Saumitra Chaudhuri (Member, Planning Commission) and Mr. Sanjeev Chopra (JS, Ministry of Agriculture and MD NHB).

Also part of the inaugural ceremony were Ms. Judy Reinki, Minister Counselor, US Commercial Service; Mr Richard Tracy,

Director, GCCA, USA and Mr. Atul Khanna, Director ICE Centre of Excellence.

The exhibition had more than forty participating companies (including AIACRA members), domestic & foreign, showcasing state of the art technologies. The conference commenced with session on success stories in India's cold-chain. Other sessions focused on solutions that addressed pending challenges. A special session was hosted at which heads of the important government bodies shared the steps taken by the government and was summed by an interactive Q&A participation.

**NATIONAL CONFERENCE ON COLD CHAIN MANAGEMENT-2012**  
(ASSOCIATE PARTNER AIACRA)

PHD Chamber of Commerce and Industry organized a National Conference on "Cold Chain Management 2012" on November 27, 2012 at Hotel Grand, Vasant Kunj, New Delhi. Dr. Saumitra Chaudhuri, Member, Planning Commission, Government of India was the Guest of Honour at the conference. AIACRA being associate partner invited all members to attend the conference.

Dr. Chaudhuri congratulated PHD Chamber for organizing such a conference which would help increasing awareness and confidence in public considering lack of cold chain infrastructure and weak investments in the food sector.

Mr. Dinesh Rai , Chairman, (Warehousing Development and Regulatory Authority (WDRA),

emphasized an efficient cold chain management will not only help in the inclusive growth but also help in the growth of the economy as a whole.

Mr. Sanjeev Chopra, Jt. Secretary, Ministry of Agriculture, Govt. of India & MD, National Horticulture Board, informed about the gap in the cold storage capacity and that cold storage capacity in the country now had reached to 30 lac tons.

Senior officials from MoFPI and National Horticulture Board also attended and talked about various schemes extended to the entrepreneurs in the Cold Chain Sector to bridge the gap. On this occasion a study prepared by YES Bank Limited and PHD Chamber on "India's Cold Chain Sector" was also released.



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# AIACRA 41<sup>ST</sup> ANNUAL GENERAL BODY MEETING AT SECUNDERABAD

The 41<sup>st</sup> Annual General Body Meeting (AGM) of the AIACRA was held on 15<sup>th</sup> September, 2012 at Hotel Royal Reve, Secunderabad. President AIACRA, Mr. Jagmit Singh, occupied the Chair along with Dr. R K Malhotra, Past President; Mr. Rajendra Mittal, Immediate Past President, Mr. Laxmipat Baid, President TCRDA; Mr. Mukesh Surana, Past President, TCRDA and Mr. Prakash Banthia, Secretary, TCRDA on the dais.

Convenor Mr. Devendra Nahata from TCRDA welcomed all members and guests; He thanked AIACRA President and EC Members Mr. Ashok Kumar Mittal, Mr. Harpreet Singh and Mr. Yashpal Sandhu who had specially flown in from New Delhi to attend the AGM meeting at Secunderabad.

A lamp lighting ceremony was conducted by the Presidents, Past Presidents and Senior Members present for an auspicious start to the AGM.

President TCRDA, Mr. Laxmipat Baid gave the welcome address. He appreciated that AIACRA AGM was being held at Secunderabad this time and welcomed more activities for zonal associations in the near future.

President AIACRA, Mr. Jagmit Singh, addressed the house. He spoke on the activities held in the recent past and new projects/activities/business tours now being under taken by AIACRA. He urged members to participate in the exhibitions/conferences being supported by AIACRA, and requested all to join AIACRA delegations to China, Dubai, Germany, etc., for the benefit of their work and businesses. He announced that AIACRA was proud to have inducted 110 new members during the last two and a half years. He thanked Mr. Laxmipat Baid and TCRDA for the warm hospitality and excellent arrangements made for the AGM.

Past President AIACRA, Dr. R K Malhotra, addressed the gathering. He stressed on the benefits of joining AIACRA. He spoke on the history and formulation of AIACRA as an association. He urged guests present to take membership and actively participate in the association work.

Immediate Past President, Mr. Rajendra Mittal also address the house. He spoke on the future activities and programs of AIACRA. He also explained the benefits of joining the association activities and encouraged everyone to come forward and take advantage of the various opportunities such as international business tours, advertising in newsletters, website, etc. that the association offers. After the business of AGM, two audio visual presentations were made by M/s Tecumseh Products Pvt. Ltd. and India Cold Chain Show-2012.

Thereafter a felicitation ceremony was conducted by the convener to honor the visiting dignitaries of AIACRA and TCRDA with mementos. The representatives of the sponsors of the event namely Advantec Coils Pvt. Ltd; Freezeking Industries Pvt. Ltd.; India Cold Chain Show-2012 ; Sant Industrial Controls Pvt. Ltd.; S J Gupta Valves Pvt. Ltd. and Tecumseh Products India Pvt. Ltd. were presented with bouquet to flowers as a token of appreciation for their valuable support to make AIACRA 41<sup>st</sup> AGM a very successful event. The AGM was attended by over 60 members and guests.

The final vote of thanks was conducted by Mr. Prakash Banthia, Secretary, TCRDA. The meeting was concluded and members/guests were invited for dinner.





## Cold Chain Summit -2012



The fourth edition of the Cold Chain Summit -2012 was held on 29-30 August, 2012 at Hotel Lalit, New Delhi. The event was organised by Confederation of Indian Industry (CII) in cooperation with the Ministry of Agriculture, Government of India. President AIACRA and other important members of AIACRA also participated in the summit.

The summit was focused on different aspects of cold chain development in India, importance of cold chain for growth and sustainability of food processing sector, the modernisation of Indian retail and the present structure of the cold chain industry in India. Cold Chain Summit 2012 was attended in large numbers by stake-holding groups from the Government & National as well as International Business community due to their keen interest in this sector.

## News from EIARA, Kolkata



EIARA, Kolkata AGM held on 14th December, 2012



## NEWS FROM RATA, MUMBAI



RATA took a delegation of 14 members to Chillventa, Germany from 7-16 November, 2012 where members experienced good business opportunities and exposure. RATA is taking active participation in ACREX 2013 and members of the association have booked about 1000 sq. mtrs. ISHRAE has appreciated the efforts put in by RATA



team. This year RATA Mumbai had a very eventful EGM at Lonavala on 15-16 December, 2012 where there was a highly interactive discussion amongst members on future trends in HVAC industry and how to work towards the betterment of Industry. This was followed by a networking gala dinner and entertainment program.



## PRESIDENT WRITES

Dear Members & Friends,  
First I take this opportunity to wish you and your families, a very happy & prosperous New Year 2013.

As you will see in this edition of AIACRA news, we have had a busy and very eventful fall and winter season.

The CII 4th Cold Chain Summit 2012 was held in August, focussing on developments for growth, sustainability and modernization of the present cold chain infrastructure in India. Here I had the opportunity to represent some issues brought up by AIACRA members for consideration by government policy makers.

In September 2012, AIACRA held its 41st AGM at Secunderabad. It was a grand event organized by our zonal association TCRDA under the leadership of Mr. Laxmipat Baid. I am thankful to our senior EC members Dr. R K Malhotra, Mr. Rajendra Mittal, Mr. Ashok Kumar Mittal, Mr. Harpreet Singh and Mr. Yashpal Sandhu who travelled with me to attend the event at Secunderabad.

In November 2012, the PHDCCI national conference on cold chain management, with AIACRA as associate partner, was held at New Delhi. The conference aimed to increase awareness and bridge the gap for building infrastructure in the cold chain sector.

In December 2012, the India Cold Chain Expo, supported by AIACRA, was held at New Delhi. Once again an excellent show with highly interactive sessions with government bodies and international participants.

During the month of December, AIACRA zonal associations held their respective events, EGM of RATA

Mumbai and AGM of EIARA, Kolkata as highlighted in the accompanying pages.

Once again we are delighted to announce the 10th official delegation of AIACRA to China Refrigeration at Shanghai from 7th to 11th April, 2013. As you are aware, AIACRA in association with CAR of China, brings to its members an excellent opportunity to book space or join the delegation to visit this world famous expo. I strongly recommend that members avail this unique opportunity. Please contact our secretariat for booking AIACRA tour package at the earliest.

ACREX 2013 Mumbai, supported by AIACRA, is the next big event to be held in March. We are proud of our zonal association RATA Mumbai, under the leadership of Mr. Parasmal Sirohia, to have booked significant space at this exposition. I urge members to participate or visit ACREX 2013 and hope to see everyone at Mumbai coming March. In case there is any assistance required please feel free to contact AIACRA secretariat.

I sincerely thank our executive committee, zonal associations, and all members for extending their support and cooperation to me.

Looking forward to your valued suggestions to achieve greater heights,



Thanking you  
With best wishes  
Jagmit Singh  
President

## AIACRA EXECUTIVE COMMITTEE MEMBERS (2011-13)

Mr. Jagmit Singh	President
Mr. Rajendra Mittal	Imm. Past President
Mr. Navin Lamba	Vice-President
Mr. Parasmal Sirohia	Vice-President
Mr. D Jaya Kumar	Vice-President
Mr. Laxmipat Baid	Vice-President
Dr. R K Malhotra	Past President & EC Member
Mr. Anil Maheshwari	EC Member
Mr. Vinay Bafna	EC Member
Mr. Sanjay Gupta	EC Member
Mr. Brijesh Sharma	EC Member
Mr. Harpreet Singh	EC Member
Mr. Kunwarjeet Singh	EC Member
Mr. Yashpal Sandhu	EC Member
Mr. Ashok Kumar Mittal	EC Member
Mr. Vinod Kundalia	EIARA, Kolkata
Mr. M. R. Shekhani	EIARA, Kolkata
Mr. Deepak Dalmia	RATA, Mumbai
Mr. Ajit Panicker	RATA, Mumbai
Mr. Manoj Surana	RATA, South India
Mr. Pradeep Bachhawat	RATA, South India
Mr. R. S. Raju	TCRDA, Secunderabad
Mr. Prakash Banthia	TCRDA, Secunderabad

## AIACRA NEW MEMBERS (2012-13)

### SUSTAINING MEMBER

Om Sai Enterprises, Mumbai	
Mr. Nitin Rane	0-9324097269

### ASSOCIATE MEMBERS

RIM Industries, Chennai	
Mr. S. Mohamed Ismail	0-9884039859
GANI Electronics, Mumbai	
Mr. I H Khan	0-9322002107

### SPECIAL ASSOCIATE MEMBERS

Himachal Equipment Company, Delhi	
Mr. Rajender Sodhi	0-9310414952
Jawahar Refrigeration, Indore	
Mr. Kamal Kalwani	0-9425061938
Ruchika Refrigeration & Electricals, Secunderabad	
Mr. Mahesh Gupta	0-9394749961
Harish Jetha Refrigeration, Udaipur	
Mr. Kapil Tharani	0-9928289792



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