

Communications Working Group

By Marco Masini
ASERCOM President



The history and the «baseload»

History

- ▶ ASERCOM is formed as “Association of European Refrigeration Compressor Manufacturers”

- ▶ Six founding member companies establish a new association with focus on refrigeration

1992

- ▶ Launch of certification programme for compressors

1997

1990's:
Major focus on **technical safety directives** as well as **environmental protection**

- ▶ Restructuring of ASERCOM // Number and scope of projects increase significantly

1999

SINCE 2010:
Intensifying activities with AHRI and EPEE // Evaluation of alternative refrigerants

- ▶ 1st F-gas Regulation

2006

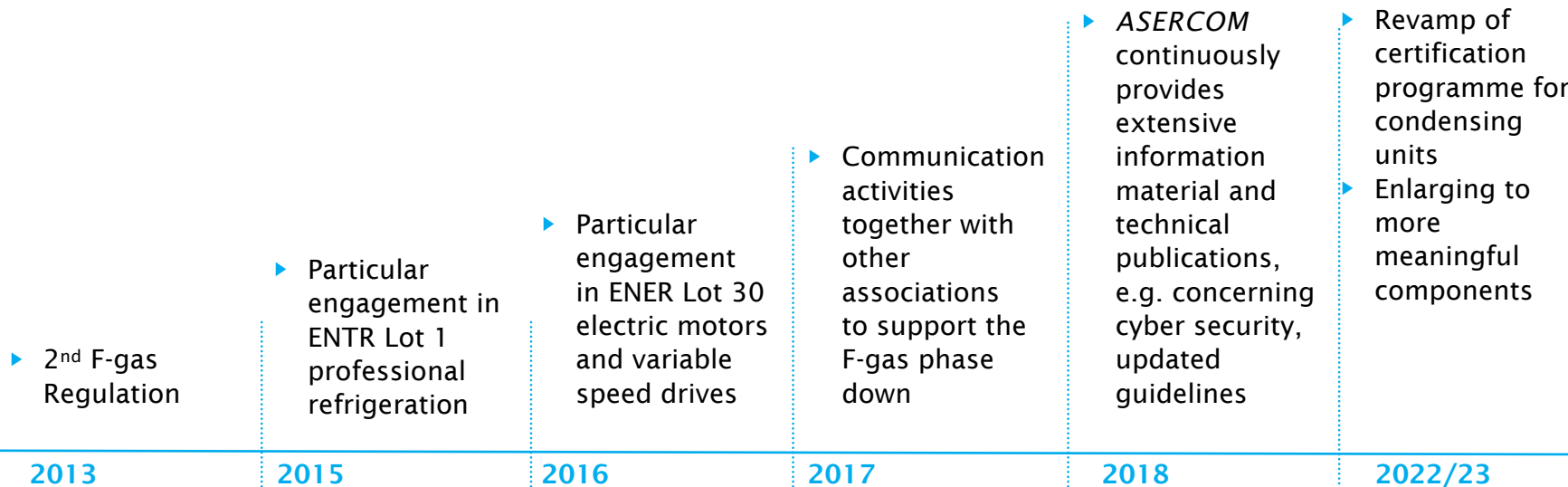
- ▶ Name change to “**Association of European Refrigeration Component Manufacturer**” to cover whole component industry

2010

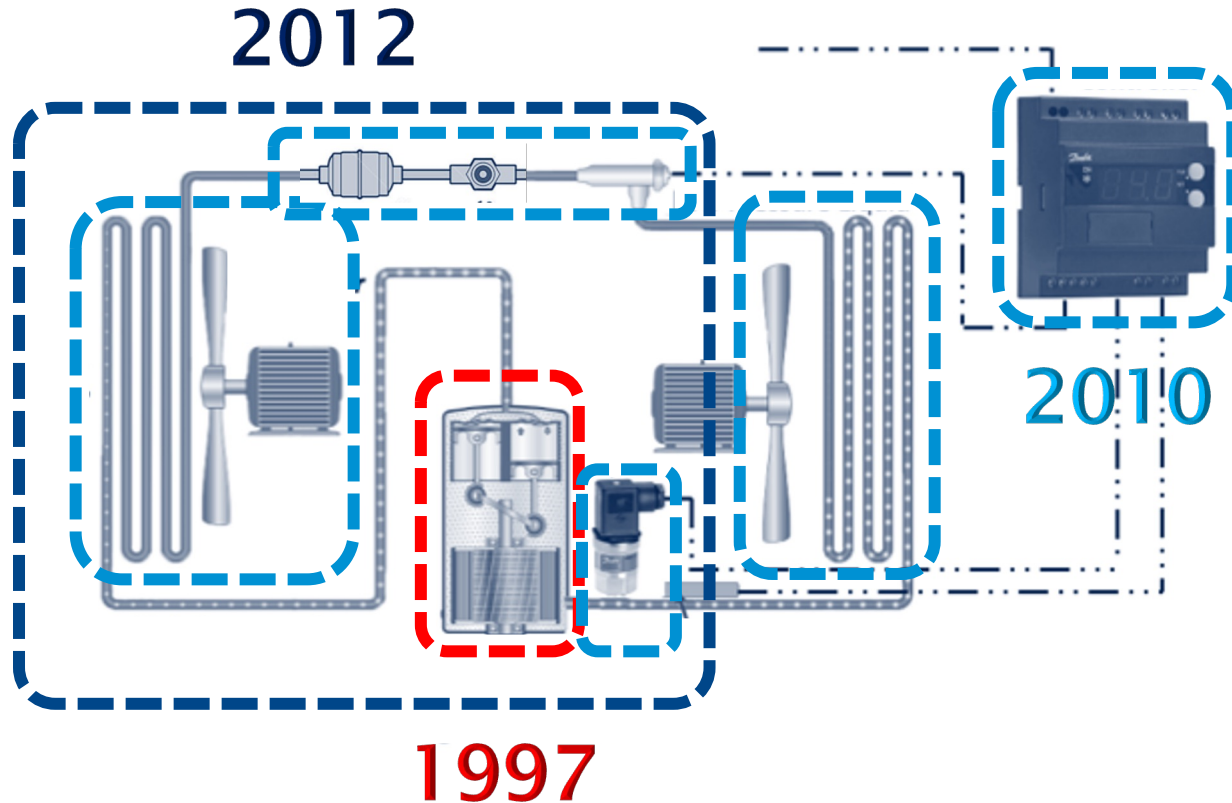
- ▶ Launch of **certification programme for condensing units**

2012

History



Getting to the system... ...from refrigeration components



Since of the Members, and because of performances being affected by more than just the compressor...
...**EN378-2 is right to hand!**

Time has passed... ...but still young and kicking!



I came aboard in ASERCOM as an associated Member on 2015.

*ASERCOM, with M. **Claude Blanc**, was enlarging the panel of Members to Country Associations...*

*...this was to respond to the will of **disseminating technical information and certification awareness** to the wide panel of refrigeration contractors and users...*

*After him Herr **Wolfgang Zaremsky** kept on going with that.*

*Now, I acknowledge the results and keep on going with the same **passion and support** from the (increasing) Members!*



Driving forces

Earth Day

A recurring appointment with the future

*Every year on **April 22**, **Earth Day** marks the anniversary of the birth of the modern environmental movement in 1970.*

Exploring the technical viability of improving our technology is the best way to perform for it...



Earth Day

“Sustainability is the path to prosperity for humanity and businesses alike.

Companies who’ve developed strong Environment Social Governance (ESG) standards are seeing better profitability, stronger financial performance, and happier employees”.

[Earth Day stakeholders]



ESG Investments to keep growing

Climate related risks are driving

«Consideration of ESG metrics in investing is now standard practice»

«The global professionally managed ESG assets landscape continues to expand»

[Deloitte]

FIGURE 1

ESG-mandated assets are projected to make up half of all professionally managed assets globally by 2024

Global assets under professional management (\$T)

■ ESG-mandated ■ Non-ESG mandated



Note: All amounts are in US dollars.

Source: Proportion of ESG-mandated data through 2020 from Global Sustainable Investment Alliance; DCFS analysis through 2025.

What ESG is about

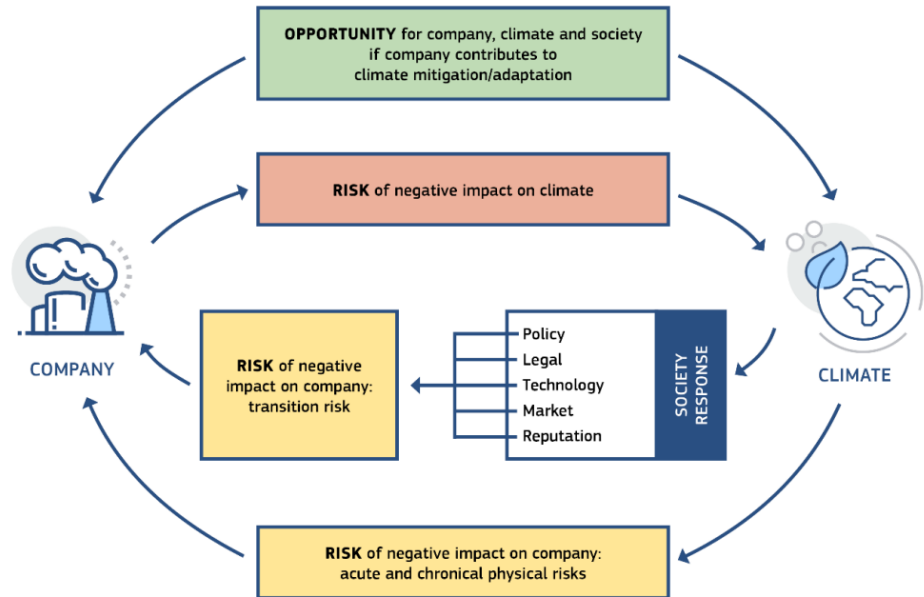
Climate change is one of the effect...

ESG is characterized:

on the **environmental side** could be caring of material selection, water consumption, use of **innovative technologies**, waste management and circular design.

For the **social**, the care about the community impact for production, transportation and the accessibility (for example disability).

To finish on **governance**, it's important to benefit from stakeholder engagement.



ESG - Environment CHALLENGES

Is SUSTAINABILITY what we are looking for?

- Sustainability is a societal goal that relates to the ability of people to safely co-exist on Earth over a long time (Wikipedia).

Is DECARBONISATION where we are heading at?

- Decarbonisation is the term used for removal or reduction of carbon dioxide (CO₂) output into the atmosphere.

Is CIRCULARITY the tool?

- Circularity, is an economic model that follows the three Rs: Reduce, Reuse and Recycle

From global to local

Nothing happens at once...

Global to European to people



RePowerEU

NextGenEU

**The Green Deal
IndustrialPlan**

NetZeroEU

**Reform Electricity
Mkt Design**

Critical Raw Material Act

Is Sustainability going to be a Global battleground?

RePower EU

vs.

Inflation Reduction Act

- 77bn€ from EU to double the roll-out rate of HPs in the next 5 yrs (20M HPs by 2027, 60M by 2030)

- ☐ FGAS Regulation
- ☐ EcoDesign enforcement/ Energy Label
- ☐ PFAS ban



?????

€€\$\$



- ☐ HFC phase down according to Kyoto amendment
- ☐ PFAS enforcement



President Biden @POTUS · 11m

United States government official
Upgrade your home with a heat pump:



44 90 436 58,2K



President Biden @POTUS · 6m

United States government official
Audit your energy use:



46 24 215 9,541

ASERCOM GOAL

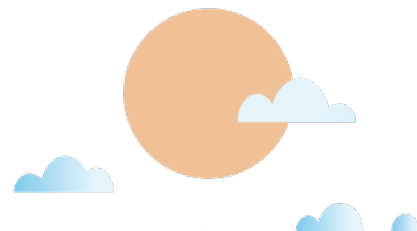
Will, passion and technical limits



*ASERCOM has the strong will to **understand** and to provide **technical evidence** of the changes and performances of the upcoming technological/environmental possible transition*

*The changes in the HVACR industry need to stay in line with **applicable legislation (safety first), standards, and qualification of personnel.***

Since the “What”, that’s why we communicate...



ACTIVITIES

STATEMENTS & GUIDE BOOKS

Asercom...

- ▶ ... guides the HVACR industry concerning **key technical topics**
- ▶ ... deliver its **opinions** and **recommendations** on technological as well as industry developments in statements and **guidelines**
- ▶ ... pools knowledge and transfers it to the HVACR community
- ▶ ... members are shaping **technical standards**
- ▶ ... with its intrinsic knowledge it is providing a reliable and **expert source of information**

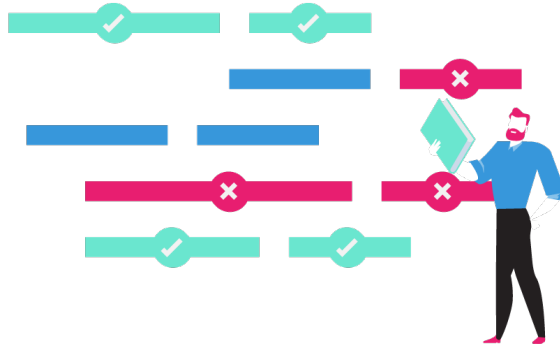


Activities

Flammable Refrigerants Guideline

*As per the development in refrigerants regulation, **ASERCOM** realized the importance to update its «**Flammable Refrigerant Guideline**» (FRG)*

The FRG was developed several years ago and it became a masterpiece of the sector...



INDUSTRY PERFORMANCE CERTIFICATION PROGRAMMES

Asercom...

- ▶ ... offers certification programmes for compressors and condensing units
 - The certification programmes are viable responses to ensure legal compliance
 - The certification programmes offer an outstanding cost/benefit ratio
- ▶ ... drives the trust in the market through its certification programmes



Industry performance

A new campaign upcoming

Since of the common target, DECARBONISATION, it is important to deliver reliable performance data

- Truly assessed energy performances
- Legal compliance to rules
- Industry trust

A high performing compressor/condensing unit selection is the first step to a highly efficient system...



Communication Target

- Politics*** > ***technology assessment***
- Associations*** > ***information and cooperation about EU legislation***
- Industry*** > ***information about EU legislation, collect information for providing technology assessments for the EU administration and politicians***
- Contractors*** > ***information on how EU legislation impacts daily business***

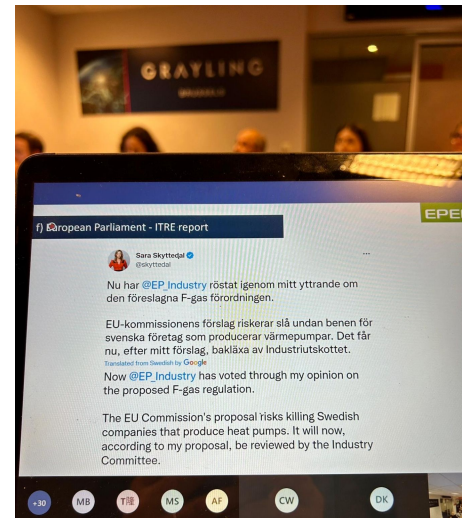
What we want to do


Collect data, communicate technology assessments and influence decisions

Through other associations e.g. EPEE and directly

Explain EU legislation and their impact on daily installer business

Improve relationship to national associations and share relevant information at contractor level via multiple channels such as wholesaler/distributor





Exhibitions and Events 2022/23

Post Pandemic re-launch Chillventa 2022



Despite the very active and proficient on-line period, the post pandemic activity at ASERCOM had a nice and visible re-launch with the main social event at Chillventa 2022, with the Symposium on Oct. 10th



CHILLVENTA

CONGRESS

Symposium

A pillar event for the Trade Show



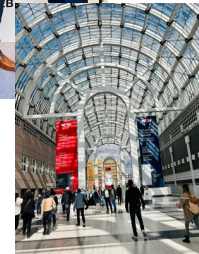
Booth party and activity



Other Events 2023

SiFa, Euroshop, ISH, AHRI

All of the trade shows have offered a number of chances to networking, share opinions, have a closer look to market developments and support member companies.





Press Releases / Newsletter

Home / World News / Masini Named as ASERCOM president

Marco Masini named as ASERCOM president

27 JUN 2022



BRUXELLES Marco Masini, a refrigeration and air conditioning consultant and former group marketing director at Epta, will become the new president of ASERCOM, the European Association of Refrigeration Component Manufacturers.

Masini will succeed current president Wolfgang Zaremski, who will retire at the end of the month.

"In these challenging times for our industry we are very happy that Marco takes over the position as President of ASERCOM. He will continue the excellent work of Wolfgang Zaremski and brought the association through the stormy years of covid pandemic," said ASERCOM chairman Rainer Große-Kracht.

After completing his doctorate in nuclear engineering & safety, Masini worked for many years for renowned companies such as GE, Laben, Toshiba Carrier, Carrier Refrigeration and Epta. For many years he was involved with ASERCOM as a representative of the Italian Association Assingref. Since 2015 he has been working as a consultant on various topics in the field of refrigeration and air conditioning technology.

Join our



Home / Allgemein / Generationswechsel an der Spitze von Asercom

GENERATIONSWECHSEL AN DER SPITZE VON ASERCOM

4. Juli 2022 / Sabine Andresen / kein Kommentar



Marco Masini (Abb. © Asercom)

Marco Masini ist seit 1. Juli neuer Präsident von Asercom, Brüssel, dem europäischen Verband der Kältetechnikindustrie. Er tritt die Nachfolge von Wolfgang Zaremski an.

„In diesen für unsere Branche schwierigen Zeiten sind wir sehr froh, dass Marco Masini das Amt des Präsidenten übernimmt. Er wird die Arbeit von Wolfgang Zaremski fortsetzen, der den Verband durch die stürmischen Jahre der Covid-Pandemie geführt hat und sich nun aus der Präsidentschaft zurückzieht“, sagt Rainer Große-Kracht, Vorstandsvorsitzender von Asercom. Nach Große-Kracht habe man einen bekannten Spezialisten aus der Branche mit langjähriger Erfahrung und einem exzellenten Netzwerk innerhalb des Verbands und zu anderen Verbänden, insbesondere auf der Seite der Auftraggeber, gefunden.

Nach seiner Promotion in Kältetechnik und Sicherheit arbeitete Masini viele Jahre lang für Unternehmen wie GE, Laben, Toshiba Carrier, Carrier Refrigeration und Epta. Viele Jahre lang engagierte er sich bei Asercom als Vertreter des Italienischen Verbands Assingref. Seit 2015 ist er als Berater für verschiedene Aufgaben im Bereich der Kälte...

Unter der Leitung von... Kältetechnik, Klimatechnik

Personalien

Neue Spitze bei Asercom

Ab 01. Juli 2022 ist Marco Masini neuer Präsident des Europäischen Verbands der Hersteller von Kältekomponenten Asercom. Er folgt auf Wolfgang Zaremski, der sein Amt abgibt.



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20.06.2022

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„Mit Masini konzentrieren wir uns weiterhin darauf, die durch die europäische Gesetzgebung verursachten Herausforderungen zu erfüllen. Unsere Aufgabe ist es, die Branche mit den besten Lösungen, die unsere Mitglieder entwickeln, zu begleiten und in die Zukunft zu führen. Mit Masini haben wir einen ausgezeichneten Fachmann aus unserer Branche mit langjähriger Erfahrung und einem hervorragenden Netzwerk innerhalb von VZ und zu anderen Verbänden, insbesondere auf der Seite der Auftraggeber, gefunden.“

Nach seiner Promotion in Kältetechnik und -Sicherheit arbeitete Masini viele Jahre lang für renommierte Unternehmen wie GE, Laben, Toshiba Carrier, Carrier Refrigeration und Epta. Viele Jahre lang engagierte er sich bei Asercom als Repräsentant des Italienischen Verbands Assingref. Seit 2015 ist er als Berater für verschiedene Aufgaben im Bereich der Kälte- und Klimatechnik tätig.



Präsident

Marco Masini neuer Präsident von Asercom, der Hersteller von Kältekomponenten. Er tritt die Nachfolge von Wolfgang Zaremski an.

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Media relations



PRESS RELEASE

Generation change at the top of ASERCOM

In challenging times, ASERCOM is rejuvenating at the top: Marco Masini will become the new President of ASERCOM, the European Association of Refrigeration Component Manufacturers, on 1 July 2022. He succeeds Wolfgang Zaremski, who will step down on 30 June 2022.

"In these challenging times for our industry we are very happy that Marco takes over the position as President of ASERCOM. He will continue the excellent work of Wolfgang Zaremski who brought the association through the stormy years of covid pandemic and relies now from the presidency," says Rainer Große-Kracht, Chairman of the Board at ASERCOM. "With Marco we continue to focus our efforts to explain the challenges caused by the European legislative. It is our mission to accompany and guide the industry with the future-proof solutions our members develop. With Marco we found a well-known specialist from our industry with many years of experience and an excellent network within ASERCOM and to other associations especially from the contractor's part."

Marco Masini says: "It's a real pleasure to receive ASERCOM's trust and appointment to presidency since of my personal professional history within most of the constituent bodies of HVAC&R sector. It's a challenging time for us due to the ongoing rule changes. These are putting under severe stress both manufacturers and contractors to find the right balance for a mutual and proficient cooperation. This is to face climate change – addressing both direct and indirect environmental impact – and keep the maximum attention to safe product standard and working practice for workers and consumers."

After completing his doctorate in Nuclear Engineering & Safety, Masini worked for many years for renowned companies such as GE, L'Air, Toshiba Carrier, Carrier Refrigeration and Epia. For many years he was involved with ASERCOM as a representative of the Italian Association Assofrigotipi. Since 2015 he has been working as a consultant on various tasks in the field of refrigeration and air conditioning technology.



PRESS RELEASE

New member

ASERCOM welcomes Güntner

Brussels – 10 October 2022, ASERCOM, the Association of European Refrigeration Component Manufacturers, today announces the membership of German refrigeration manufacturer Güntner. The company, headquartered in Munich, Germany, with 50 subsidiaries and 6 factories around the world, manufactures a wide range of cooling systems and heat exchange solutions.

"We are very happy to welcome Güntner to the Association," says Marco Masini, President of ASERCOM. "ASERCOM is very pleased to have such a well-known manufacturer on board. Güntner is the first manufacturer of heat exchangers within the association. Many more are invited to join. We look forward to the many new possibilities this will open up in the future."

"We are delighted to join such a prestigious organization and in particular we are proud to be the first member representing heat exchanger manufacturers," says Michael Freher, Managing Director of Güntner. "Our membership of ASERCOM will also help us to continue to lead the way in sustainability for our industry. By creating and maintaining standards based around environmental protection and energy efficiency, ASERCOM contributes to a better future for all of us."

ASERCOM is the platform for dealing with scientific and technical topics and their challenges, promoting standards for performance rating, methods of testing and product safety, focusing on improved environmental protection, serving the refrigeration and air conditioning industry and its customers. ASERCOM addresses top issues and communicates relevant options of its members to the industry, the public, governmental bodies and nongovernmental organizations.

About ASERCOM
ASERCOM, the Association of European Refrigeration Component Manufacturers, addresses scientific and technical challenges, promoting performance and safety standards. Furthermore, the association focuses on



PRESS RELEASE

EU urges HVAC&R industry to change

We're back: full house at ASERCOM EPEE Symposium

The rows at this year's ASERCOM EPEE Symposium on the day before Chillventa in Nuremberg were packed. ASERCOM President Marco Masini says: "The symposium rows were filled to capacity and everybody was glued to the chair. This popularity shows that the major challenges facing the industry move many people and there is the need for more and more information to understand the direction the industry shall be taken." There were also more reasons for being there: "The crises in the world are putting a strain on supply chains. At the same time, it is our technology that plays an important role in coping with climate change and at the same time is increasingly regulated by the EU. Reason enough to talk intensively about the big issues."

Tom Van Ierland, Head of Unit for the Montreal Protocol, Clean Cooling & Heating and Digital Transition at the EU Commission, pointed out on his keynote that the HVAC&R industry will be particularly held accountable in the revision of the F-Gas Regulation because it can deliver. "The F-gases contribute to the solution in emission reduction but they're part of the problem. We see bigger reductions in your sector than in others in terms of speed to accelerate the whole transition," was his conclusion. The inclusion of MDI (Medical Dose Inhalers) in the calculation of the quantities would offer opportunities, as is also a huge potential for rapid emission reductions here. The HVAC&R industry could benefit from this. This position was not without opposition, however, as the industry is made dependent on developments in another sector at this point.

You can review the full ASERCOM EPEE Symposium stream here.

NürnbergMesse offers picture for editorial purpose (only): <https://nuernbergmesse.canto.de/pressalbum/LIGJ>



PRESS RELEASE

Back to Business: Four Successful Days at Chillventa 2022

ASERCOM, the European Association of Component Manufacturers for the HVAC&R industry, looks back on a successful Chillventa 2022. After an extremely well-attended ASERCOM EPEE Symposium, the three following days of the fair were dedicated to strengthening networks, providing information and making new contacts. Marco Masini, ASERCOM President, says: "Once again, we brought most of our members together in person. Whether at the symposium, the cocktail reception or in many conversations - the joy of seeing each other again after four years was vividly felt by all. As one result of the fair, we welcomed Güntner as a new member. And we have once again been able to formulate the industry's view towards the European Commission - on the revision of the F-Gas Regulation as well as the impending ban on the PFAS group of substances."

The revision of the F-Gas Regulation and the associated acceleration of the phase-down was also the dominant topic on the stand: whenever asked about the status of the regulation expressed concern that the industry would not have sufficient quantities of refrigerant available for new equipment in the future.

The good development of the industry was also one of the defining topics of conversation at the joint cocktail reception of AREA, EPEE and ASERCOM over 70 members of the associations gathered at the ASERCOM and EPEE stand and took advantage of the opportunity for informal exchange.

"Chillventa 2022 was urgently needed as an industry get-together after a long time. The great feedback, especially on the symposium, encourages us to expand our work as an information platform for the HVAC&R industry and to accompany stakeholders from politics, administration and industry with our expertise as a technical authority," says Masini.

About ASERCOM



PRESS RELEASE

ASERCOM / EPEE

ASERCOM EPEE Symposium: Multiple Transition Challenges in Heating, Cooling and Refrigeration

The ASERCOM EPEE Symposium at the CHILLVENTA Congress on 10 October 2022 in Nuremberg will highlight the current major challenges the HVAC&R industry is facing in Europe and throughout the world. The event aims to inform and work on solutions together with stakeholders from industry, the EU and international associations. Tickets are available now at <https://bit.ly/asercom-epee-sym>

The programme focuses on sustainability, refrigerants and international markets in three sessions. A key note will be given by Tom van Ierland, Head of Unit for the Montreal Protocol, Clean Cooling & Heating and Digital Transition, European Commission, who will give an overview of the current status of the relevant EU's regulatory plans.

The sustainability challenge

The first session looks at sustainability issues from four perspectives. Andrea Vallejo from Johnson Controls and EPEE Chairwoman will illustrate the challenges in the HVAC&R industry over the period of the Corona pandemic. The joint presentation by Christian Ellwies, Kriwan, and John Schwarz, Isotex, will focus on the procurement of raw materials. Torben Funder Kristensen from Danfoss will present challenges which the EcoDesign regulation poses for our industry. After that Giacomo Pissano from Dorn will then discuss fiscal cost analysis in comparison with CO₂ and NH₃.

The refrigerant transition challenge

The challenges in the transition of refrigerants are influenced by two regulations: the F-Gas Regulation and the



PRESS RELEASE

ASERCOM rejects Oko-Institut's proposals for RoHS Exemption 7(a) and 7(c)-I as unfeasible

Ban on the use of high-temperature winding protection by PTCs in compressors must be prevented

"We are following with great concern Oko-Institut's recommendations regarding RoHS Exemption 7(a) and 7(c)-I for PTCs in compressors for heating, refrigeration and air conditioners. From the industry's point of view, the continuation of this exemption is essential," says ASERCOM president Wolfgang Zaremski.

Together ASERCOM EPEE and e4 address national authorities across Europe in a recent Technical Paper clarifying why lead must continue to be used in temperature sensors.

The use of PTCs as temperature sensors for motor protection in compressors for refrigeration, heating, and air conditioning industry faces the challenge of introducing new refrigerants with low GWP. This inevitably leads to higher temperatures than in the past - both in the motor winding and in the discharge gas. The required high PTC tripping temperatures of up to 160 °C are technically only possible through the use of lead in the solder.

Compressors are used in many important and critical areas: in the production of vaccines as well as in the entire cold chain for food and process cooling, in air conditioning and cooling systems for data centers. "The development and construction of heat pumps, which is so important for the decarbonisation of residential heating, would be set back significantly if the exemption is not extended," Zaremski emphasises.

The associations demand an unrestricted extension of the current exemption.



PRESS RELEASE

ASERCOM Convention 2022:

The European HVAC&R industry is facing major challenges due to a variety of EU regulations

With the F-gas revision and the impending ban on PFAS, important topics were on the agenda of last week's ASERCOM Convention in Brussels. Both regulatory projects contain many challenges for the industry. Bente Tranholm-Schwartz from DD Clima made it clear at the convention that there will be no leeway in the new targets for the F-Gas phase-down.

Frauke Averböck from the German Federal Agency for Occupational Safety and Health (BAuA) is leading work for the EU on a comprehensive ban on PFAS (Forever Chemicals) under the Reach Regulation, together with Norwegian colleagues. Both regulations will not only dramatically limit the choice of refrigerants. Other products necessary for the industry that contain PFAS will also be affected.

A special highlight was set by Sandrine Dixon-Declève, Co-President of the Club of Rome, with her keynote on challenges and solutions for a global industrial and climate policy from the point of view of socially compatible growth. Among other things, she promoted her model of a sustainable, diversified and resilient industry 5.0, involving all decision-makers to shape this path together.

The eagerly awaited presentation by Bente Tranholm-Schwartz gave an overview of the main features of the Commission's proposal for the upcoming EU F-gas revision. This necessary revision is derived from the EU's "Fit for 55" climate goals. The aim is to reduce the EU's CO₂ emissions by 55 percent by 2030. Tranholm-Schwartz said: The EU should take the lead in climate protection and the reduction of F-gases. If the EU acts successfully, other countries would certainly follow this example. European industry is taking the lead worldwide

Newsletters

Monthly Newsletters



Hello

Do you know know all our guidelines and statements on our website? You can get first-hand information on all the relevant topics for the HVAC&R industry at our Annual Convention or the ASERCOM EPEE Symposium at Chillventa, But we also offer numerous helpful documents on www.asercom.org or in our LinkedIn channel.

This is something useful all year round in different shapes!

Best regards



Marco Masini
President
masini@asercom.org

Newsletter

Regulatory Update



Hello Mrs. Schröder

For ASERCOM the new regulatory year started with a stakeholder meeting on the revision of ENTR Lot 1 early in January. As the first point of contact for all matters related to condensing units, we closely accompany regulation. Today we provide you with a brief regulatory update about the most relevant topics from DG ENERGY and DG GROW.

Plus: We kindly ask for your feedback on some topics proposed during that stakeholder meeting.

Thank you for your participation.

Best regards



Wolfgang Zaremski
President

Review study Ecodesign & EU energy label of Professional Refrigeration Products



Welcome

This website is dedicated to the review study for the European Commission, DG GROW, on Ecodesign and Commission Regulation (EU) 2015/1005 on the energy label of professional refrigeration products and the Commission Delegated Regulation (EU) 2015/1006 on the energy label of professional refrigeration products.

The aim is to provide technical support to the European Commission in the assessment required by the Commission Delegated Regulation (EU) 2015/1006 on the energy label of professional refrigeration products, reviewing documents and an impact assessment study.

The project is a cooperation led by AISE, also contract manager for the contract. Technical project lead is CHL, reviewing documents and an impact assessment study.

Contractor is a consortium led by T&E Consulting, Virgaux, Bouge and the Wharfedale Institute for Climate, Environment and Energy. The study started in January 2021 and is in the first phase of development of a study to be completed in June 2022.

The study is planned to be completed in June 2022. The study is planned to be completed in June 2022.

REVIEW OF SEVERAL ECODSIGN REGULATIONS

Several Ecodesign Regulations are currently being evaluated in some areas and in order to prepare for a potential revision. On the one hand, this affects some regulations under the responsibility of DG ENERGY. On the other hand, industry is urgently called for rapid feedback on the Ecodesign Regulation on Professional Refrigeration, covered by DG GROW (formerly DG ENTR). Deadline is 13 February 2022.

Read all information and act now: Deadline is 13 February >>

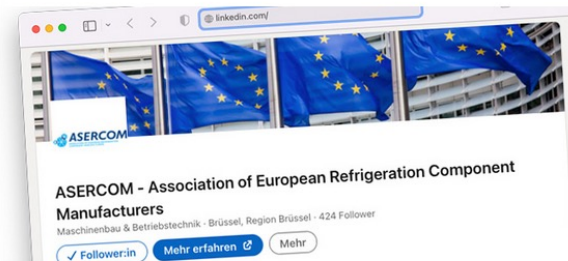
DG ENERGY

In the area of DG ENERGY, 5 lots are relevant for the industry, which are currently being evaluated or where a revision is already underway.

DG GROW

In the area of DG GROW, the former DG ENTR, ENTR Lot 1 on Professional Refrigeration is currently due for review. And there is an urgent need for action here for all companies that manufacture the corresponding products.

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[Click here to connect with ASERCOM on LinkedIn >>](#)

ASERCOM AISBL

Rue du Congrès 35, 1000 Brussels, Belgium, www.asercom.org
Register of Associations: Number 13.335, Registration court: Tribunal of Commerce of Brussels
President: Wolfgang Zaremski

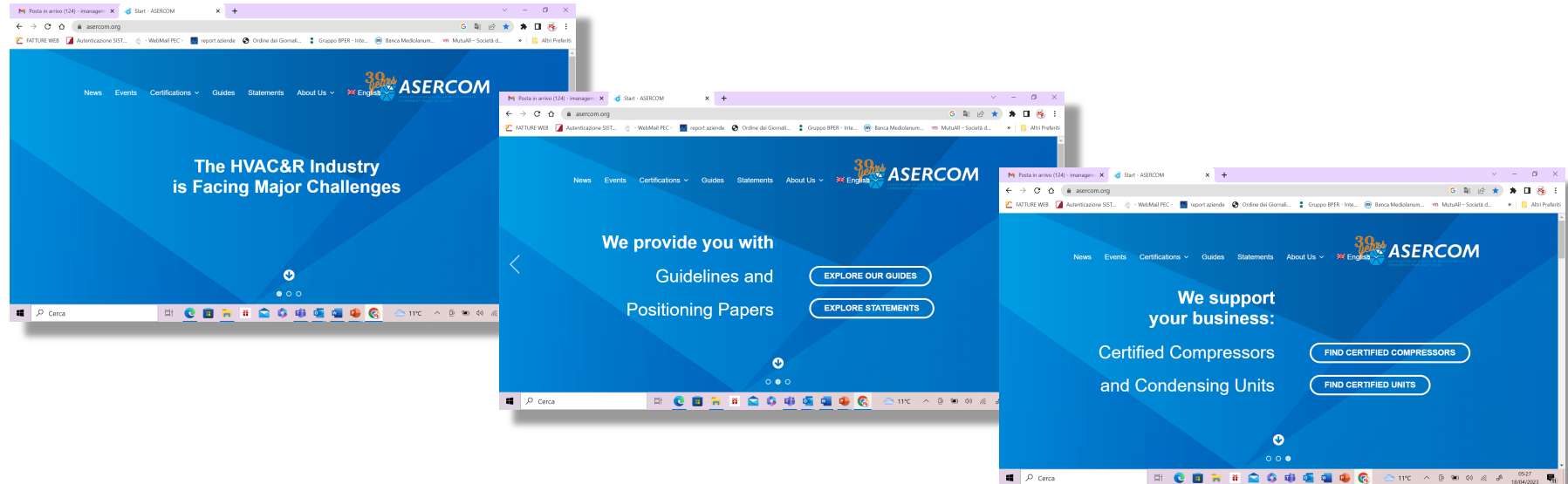
This email was sent to schroeder@asercom.org and is an information service that you've requested before. If you don't want to receive further updates you can cancel your subscription [here](#). You like our news? Feel free to [share with colleagues](#).



Website / LinkedIn

Revamped Website Usability, Impact

Website has been updated in order to deliver consistent messages in reference to ASERCOM targets



Smart Search Engine

All units at hand

Smart search engine for certified units

Posta in arrivo (124) - imanager X List of Certified Condensing Units X

asercom.org/list-of-certified-condensing-units/

FATTURE WEB Autenticazione SIST... WebMail PEC report aziende Ordine dei Giornali... Gruppo BPER - Inte... Banca Mediolanum... Mutua - Società d... Altri Preferiti

ASERCOM
ASSOCIATION OF EUROPEAN REFRIGERATION
COMPONENT MANUFACTURERS

Go to...

List of Certified Condensing Units

Loading the complete list might take a while...

Manufacturer: Nothing selected

Refrigerant: Nothing selected

Application: Nothing selected

Cooling Cap: From To

Evaporating Condition: Nothing selected

Status: Nothing selected

Type: Nothing selected

Voltage: Nothing selected

Clear Filters

Search

Excel Desktop - Software Version 8.3.0.3198
Data Version: 8.3.0.3198 (2023/04/18)
Downloaded from: asercom.org (Italy) - Unit no.: 4000000 - Version 8.3.0.3198

2021-09-17

SEPR-Report EN 13215:2016 E

Model: CME-4MTL-07X Refrigerant: R134a New Point S1

Item	Symbol	Value (MT)	Unit
Evaporating Temperature	T _e	-10	°C
Annual Electricity Consumption	E	20700	kWh/a
Seasonal Energy Performance Ratio	SEPR	1.12	
Parameters at full load and ambient temperature 35 °C, Subcooling 5.0 K, Drive Frequency 60 Hz			
Rated Cooling Capacity	Q ₀	19.70	kW
Rated Power Input	P ₀	1.80	kW
Rated COP	COP ₀	1.13	
Parameters at part load and ambient temperature 35 °C, Subcooling 5.0 K, Drive Frequency 60 Hz			
Declared Cooling Capacity	Q ₀	12.36	kW
Declared Power Input	P ₀	0.98	kW
Declared COP	COP ₀	1.27	
Parameters at part load and ambient temperature 35 °C, Subcooling 5.0 K, Drive Frequency 50 Hz			
Declared Cooling Capacity	Q ₀	10.45	kW
Declared Power Input	P ₀	0.87	kW
Declared COP	COP ₀	1.20	
Parameters at part load and ambient temperature 4 °C, Subcooling 5.0 K, Drive Frequency 28 Hz			
Declared Cooling Capacity	Q ₀	10.50	kW
Declared Power Input	P ₀	0.85	kW
Declared COP	COP ₀	1.24	
Other Data			
Capacity Control		Electron	
Integration Coefficient	G ₀	0.25	
Min. ambient temperature	T _{amb}	5.00	°C
Liquid Receiver data			
Capacity	q ₀	30.00	kg

Contact Details: asercom.com
Address: asercom.com
Phone: +39 02 2000 0001 - Fax: +39 02 2000 0000 - E-mail: asercom.com@asercom.com

BITZER Kälteanlagenbau GmbH
Peter-Schäfer-Platz 1
71065 Sindelfingen
0151 1600011 0151 2000110 asercom@asercom.com 1/18

nce Data Sheet according to EU Regulation 2015/1095
ation Model: LH104E/2DE3-3Y

RT134a

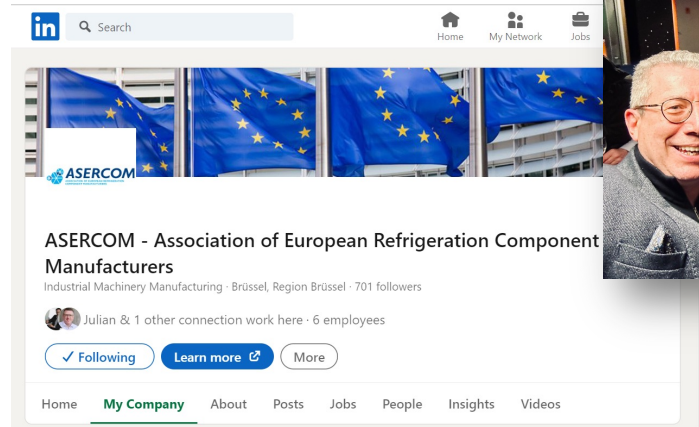
Symbol	Value	Unit
Q ₀	12.36	kW
P ₀	0.98	kW
COP ₀	1.27	
Q ₀	10.45	kW
P ₀	0.87	kW
COP ₀	1.20	
Q ₀	10.50	kW
P ₀	0.85	kW
COP ₀	1.24	

Declaration of Conformity A2-800

LinkedIn

Growing activity

People, information, lobbying, events, standards, ...





Events 2023

Broader view

Global connection, stronger engagement

European components manufacturers are acting more and more globally. ASERCOM support the members by teaming up with leader associations such as #AHRI in #USA and more. ... mehr anzeigen

Übersetzung anzeigen



The development of an extra EU program may become a game changer...




More evidence, more data

Advancing on certification

Presenting data driven evaluations makes ambitions stronger and respectful of the sustainability target.

Manufacturer / Assembler / Distributor



Condensing Unit Certification Programme

Unique, transparent and reliable: ASERCOM's certification programme for condensing units is the viable response to ensure legal compliance at outstanding cost/benefit ratio. It is the answer to the Ecodesign condensing unit regulation and open to everyone.



Upcoming Events



AHRI Policy Symposium – 15-18 May 2023, Washington DC

XX Convegno Europeo Refrigerazione – 8-9 June 2023, Politecnico di Milano

International Congress of Refrigeration – 21-25 August 2023, Paris

ATMOsphere Europe – 19-20 September 2023, Brussels

SIFA – 10-12 October 2023, Paris

Chillventa Heat Pump Summit – 24-25 October 2023, Nuremberg

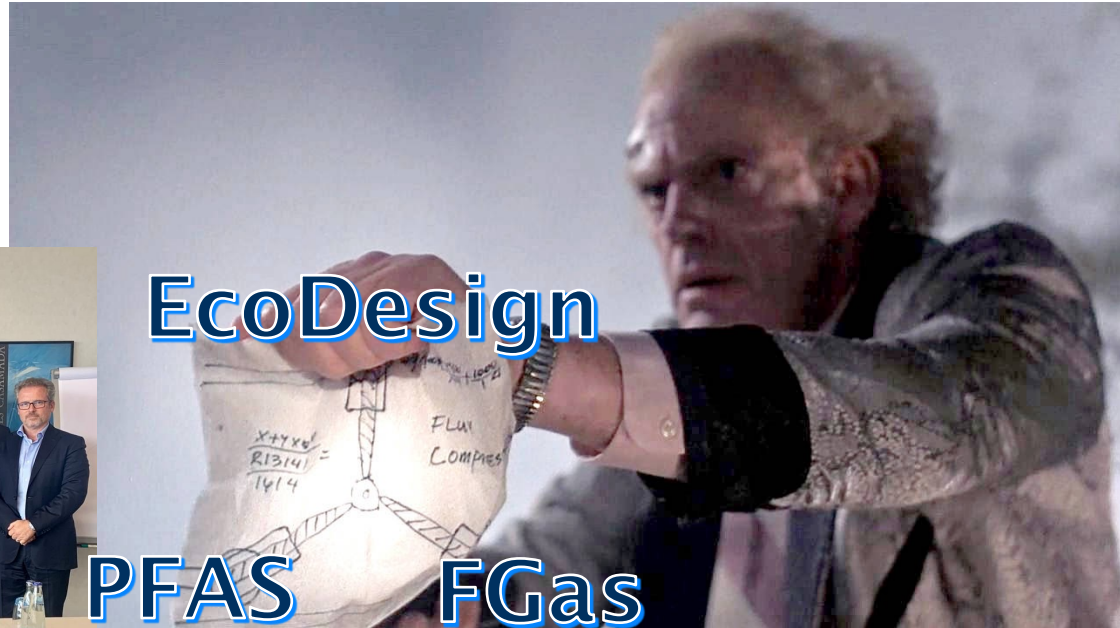
ISK Sodex – 25-28 October 2023, Istanbul

Refrigera 2023 – 7-9 November 2023, Bologna



What's next???

Where we are heading to...



THANK YOU



**Thank you to all of our members
for your incredibly
hard work and support in 2023**

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