Implementation of F-Gas, Ecodesign and Energy Labelling in commercial refrigeration sector

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Roadmap

1. Who we are
2. EU F-Gas Regulation
3. Ecodesign and Energy Labelling Regulations
4. EU 2050 long-term strategy
5. EU progress towards the worldwide HFC consumption phase-down under the MoP
6. Considerations
7. Q&A
1. Who we are

- Eurovent is Europe’s Industry Association for **Indoor Climate, Process Cooling, and Food Cold Chain Technologies** – thinking beyond HVACR
- Members from 30+ countries in Europe, the Middle East and Africa (EMEA)
- Strong network of EMEA’s leading, national industry associations and their more than 1.000 Affiliated Manufacturers
- Corresponding Members in countries without national association
1. Who we are: In a Nutshell

- Founded in 1958
- Members from 30+ countries in Europe, Middle East, Africa
- More than 1.000 manufacturers
- Strong network of Europe’s leading national industry associations
- Representing over 150.000 employees
- Generating combined annual turnover of 30+ bn EUR
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2. EU F-Gas Regulation

Objectives

• European Union legislation to control F-Gases
• Limits the total amount of F-Gases sold in the EU from 2015 onwards
• Bans the use of F-Gases in many types of equipment where less harmful alternatives are widely available
• Preventing emissions of F-Gases from existing equipment
2. EU F-Gas Regulation

HFCs Phase down

The F-Gas quota dictates the admissible amounts of HFCs that can be placed on the EU market:

- 93% (2016)
- 63% (2018)
- 45% (2021)
- 21% (2030)
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3. Ecodesign and Energy Labelling Regulations

Background

- **2005**
  - Biols Prep. Study

- **2010**
  - Ecodesign CF

- **2013**
  - JRC-IPTS Prep. Study

- **2014**
  - Ecodesign CF

- **Today**
  - 29-30 Jan 2019
  - Regulatory Committee / Expert
  - Group Member
  - States

The food cold chain: Solutions for sustainable commercial refrigeration
3. Ecodesign and Energy Labelling Regulations

Timeline

**Ecodesign**

- **October 2019** • Adoption
- **December 2019** • Publication
- **1 March 2021** • Entry into force

**Energy Labelling**

- **March 2019** • Adoption
- **December 2019** • Publication
- **1 March 2021** • Entry into force

The food cold chain: Solutions for sustainable commercial refrigeration
3. Ecodesign and Energy Labelling Regulations
Covered equipment

Remote cabinets
Plug-in cabinets
Commercial beverage coolers

Ice Cream Freezers

Ice Cream Displays

The food cold chain: Solutions for sustainable commercial refrigeration

2019-11-07
3. Ecodesign and Energy Labelling Regulations

Ecodesign requirements

All equipment
1. March 2021: EEI < 100
2. September 2023: EEI < 80

Ice Cream Freezers
1. March 2021: EEI < 80
2. September 2023: EEI < 50
### 3. Ecodesign and Energy Labelling Regulations

#### Energy Labelling requirements

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4. EU 2050 long-term strategy
A vision to achieve climate neutrality by 2050
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‘Europeans want action’

‘Europe can take the lead’
5. EU progress towards the worldwide HFC consumption phase-down under the MoP

EU is on track with its obligations under the Montreal Protocol

Source: EEA report on fluorinated gases (2019)
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6. Considerations
EU F-Gas & Ecodesign Directive / Regulations

• Created a new way of thinking:
  **Innovation at the heart of the knowledge triangle**
• Are the first driver towards a climate-neutral Europe
• Opened the door towards the so-called **holistic approach**:
  o Equipment performance optimisation
  o Installed components optimisation
    o Efficient Fans
    o LED lighting
    o System performance optimisation

MORE ENERGY EFFICIENT PRODUCTS!
6. Considerations
EU F-Gas & Ecodesign Directive / Regulations

• Are putting the industrial modernisation at the centre of a fully circular economy
• Are reducing the waste of resources and improving the resources efficiency

WE ARE EMBRACING THE CIRCULAR ECONOMY!
6. Considerations

Climate Neutral Economy

Can we reach a Climate Neutral Economy?

WE ARE ALREADY GETTING THERE!

THE EU HAS SUCCESSFULLY DECOUPLED GREENHOUSE GAS EMISSIONS FROM ECONOMIC GROWTH

Greenhouse Gas Emissions down 22%

EU GDP up 58%

1990-2017
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