

5. Which will be the supermarkets of the future? Trends in Europe

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Trends of the future

In Supermarkets

Trends of the Future

- Size of stores : is going to **DECREASE**.....BUT
.....size of Fresh Products is going to **INCREASE**

Trends of the Future



Trends of the future

Refrigeration In Supermarkets

Commitment of CGF: Refrigeration Resolution

<http://www.theconsumergoodsforum.com/sustainability-strategic-focus/sustainability-resolutions/refrigeration-resolution>

Refrigeration Resolution

We therefore, as individual member companies, commit to the following in all commercial and industrial refrigeration equipment under our control¹ along the food & beverage supply chain:

- In markets where viable², to install new equipment that utilise only natural refrigerants or alternative ultra-low³ GWP refrigerants, effective immediately;
- In markets where barriers to deployment exist, to engage with our suppliers, civil society, business partners and governments to overcome remaining technical, regulatory and other barriers in certain geographies and sectors, to enable the purchase of new equipment that utilise only natural refrigerants or alternative ultra-low GWP refrigerants as soon as possible and no later than 2025;
- Work to reduce the total equivalent environmental warming impact of our existing and new refrigeration systems, including (but not limited to) improving energy efficiency, optimising refrigerant charge sizes, and minimising refrigerant leaks;
- Develop individual targets and action plans to measure and achieve the above and regularly publish information on progress.

Commitment of CGF Refrigeration Booklet:

<http://www.theconsumergoodsforum.com/files/Publications/201601-CGF-Refrigeration-Booklet-Final.pdf>

Trends of the future

Refrigeration In Supermarkets

Trends of the future Existing Stores

- New Installation (see next slide)
- Retrofit with low GWP refrigerants

Trends of the future New Stores

- Refrigeration with CO₂
- Refrigeration with ultra-low GWP refrigerants
- Refrigeration with Hydrocarbons: Propane

Trends of the future New Stores

- Refrigeration with Hydrocarbons: Propane

Agreement by french Ministry of Interior to be confirm in June 2017.

Charge maximale autorisée en présence du public
= limite pratique (0,008 kg/m³)* X (volume du local)

Cette charge ne devra pas dépasser 1,5 kg par appareil
* selon la norme EN 378-1

Trends of the future New Stores

- Water loops systems

Thank you

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