

Revision of the Ministerial Ordinance and Notifications under the Act on Rational Use and Proper Management of Fluorocarbons

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Fluoride Gases Management Office, Chemical Management Policy Division,
Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry

1. Outline

Under Article 12 of the Act on Rational Use and Proper Management of Fluorocarbons (Act No. 64 of 2001; hereinafter referred to as the "Fluorocarbons Act"), the Minister of Economy, Trade and Industry shall establish and publicize the "Standards for Manufacturers, etc. of Designated Products" (hereinafter referred to as the "standards") with regard to the reduction of the environmental impacts of fluorocarbons used in each designated product. In addition, Article 14 of the Fluorocarbons Act stipulates that the Minister of Economy, Trade and Industry shall give public notice regarding matters to be indicated by manufacturers.

The following products were newly designated in the Cabinet order under the Fluorocarbons Act. In line with the enforcement of this Cabinet order, the Ministerial Ordinance of the Ministry of Economy, Trade and Industry stipulates the scope for manufacturers or importers who are subject to recommendations. The standards and labeling requirement will be stipulated in the Notifications of the Ministry of Economy, Trade and Industry.

<Global warming potential targets and target fiscal years of the designated products>

Designated products	GWP targets	Target fiscal years
Central air conditioner that incorporates a volumetric compression refrigerator (reciprocating liquid chiller for air conditioning)	750	2027
Gas engine heat pump air conditioner. Except for the following listed products. 1. Products that are designed to use the existing refrigerant piping. 2. Products that have a simultaneous cooling and heating system. 3. Products that incorporate a system that prevents the decline of heating capacity at low outside temperatures. 4. Products that generate electricity for external use. 5. Products that incorporate an autonomous operating system for when power outages occur. 6. Products that circulate heat carriers inside the same piping unit. 7. Products that cool or heat water.	750	2027
Facility air conditioner used for: 1. Air conditioning of large-scale commercial facilities, hospitals, or factories 2. Air conditioning of rooms with combustion facilities or iron manufacturing facilities.	750	2027

Automobile air conditioner for buses (automobiles that carries 11 people or more) and trucks (automobiles used for freight shipment)	150	2029
Refrigerator and freezer combined unit for commercial use 1. Those where the refrigerant evaporates at above -45 degrees Celsius 2. Display cases where the compressor capacity is under 750W	150	2029

<Labeling requirement>

Manufacturers shall indicate on their products (1) the type, amount and GWP value of fluorocarbons, (2) product name and type name, and (3) name of the manufacturer. On their product catalogs, manufacturers shall indicate the GWP targets and the target fiscal year in addition to what is indicated on their products.

2. Purpose

To rationalize and reduce the use of fluorocarbons by accelerating innovation with regard to the reduction of the environmental impacts of fluorocarbons used in each designated product and promoting a shift to and dissemination of non-fluorocarbon products which have low global warming potential.

3. The expected date of enforcement

March 2023 (Except for labeling requirements to be enforced in October 2023).