

Protecting the Climate



*1 AIM Act 40 CFR Part 84



From January 1, 2026

- Refrigerated air dryers that use refrigerants with a GWP value of 300 or more
- Temperature control equipment that uses refrigerants with a GWP value of 700 or more
- → Import into the U.S. will be prohibited.

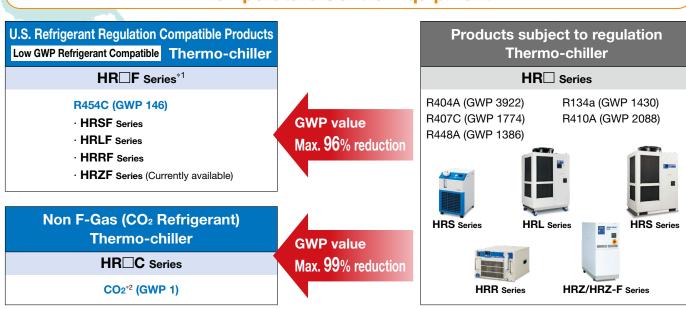
* The GWP values are values based on AIM Act 40 CFR Part 84.

Before January 1, 2026

Products imported before January 1, 2026 can be sold for 3 years from the regulation implementation date. Maintenance is also possible.

U.S. Refrigerant Regulation Compatible Products

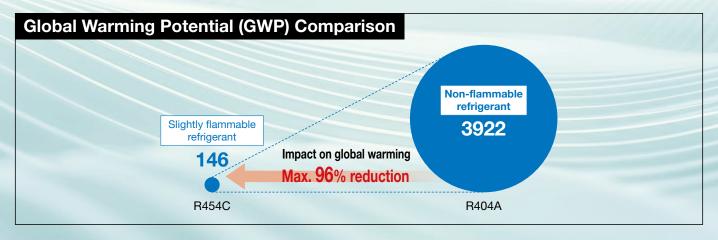
Temperature Control Equipment



Refrigerated Air Dryers



- *1 Scheduled to be released in 2024 or later. Contact your local SMC sales office for further details.
- *2 The refrigerant number that indicates the type of refrigerant specified by ISO 817 (International Organization for Standardization) is "R744."
- *3 The GWP values are values based on AIM Act 40 CFR Part 84.



Refrigerant Regulations Overview

| Item | U.S. Refrigerant Regulation (AIM Act) | |
|---|---|-------------------------|
| Subject of regulation | Temperature Control Equipment | Refrigerated Air Dryers |
| | Products using refrigerants with a GWP value exceeding the regulation limit | |
| GWP value limit | GWP ≥ 700 | GWP ≥ 300 |
| Regulation implementation date | From January 1, 2026 | |
| Regulation details | Prohibition of manufacturing and customs clearance of products subject to regulation | |
| Sale of inventory of products subject to regulation | Can be sold for 3 years from the regulation implementation date (Within the U.S. and exported) | |
| Maintenance | Regulation exempt | |
| Refrigerant GWP | Non-flammable refrigerants; R134a: 1430, R404A: 3922, R407C: 1774, R410A: 2088 Slightly flammable refrigerants; R454C: 146, R1234yf: 1 | |

^{*} The GWP values are values based on AIM Act 40 CFR Part 84.



Q1 Is the U.S. the only country subject to the U.S. refrigerant regulation?

Yes, only the U.S. is subject to the regulation. For regions outside of the U.S., be sure to comply with each region's refrigerant regulations. (Japan, Asia, and Oceania are not subject to refrigerant regulations.)

Q2 Which F-gases (refrigerants) will be affected by the ban?

A2 The F-gases used in SMC products subject to the regulations are as shown in the table below.

| Refrigerant | GWP value | |
|-------------|-----------|--|
| R134a | 1430 | |
| R404A | 3922 | |
| R407C | 1774 | |
| R410A | 2088 | |

What exactly does "Import into the U.S. will be prohibited" mean?

A3 It means there will be no customs clearance into the U.S.

Will it be possible to have maintenance done on temperature control equipment and refrigerated air dryers imported into the U.S. on December 31, 2025 or earlier?

A4 Yes, maintenance will remain possible.

Q5 Can products subject to the U.S. refrigerant regulation be transported by aircraft?

As R454C and R1234yf are slightly flammable refrigerants, SMC products that use these refrigerants (with a refrigerant charge of 100 g or more) cannot be transported by aircraft.

As CO2 is a non-flammable refrigerant, SMC products that use this refrigerant (with a refrigerant charge of less than 12 kg) can be transported by aircraft.

Q6 How can I learn more about the refrigerants used in SMC products?

A6 The refrigerant used in each product is specified in the catalog, external appearance drawings, and on the label attached to the product.





Safety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.

SMC Corporation

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