

NEW PRODUCT Oil Cooling Units/Chillers Using Low GWP Refrigerant

About Refrigerant Regulations

GWP¹⁾ regulation covering refrigerants for oil cooling units/chillers is being fast-tracked globally, starting with the regulations in California, USA, from January 2024. ¹⁾ GWP refers to the global warming potential, which is a numerical value that expresses the warming capability of each gas.

Regulatory Law	Applicable Region	GWP	Start of Regulation
California State Act ²⁾	California, USA	750	January 1, 2024
Cal. Code Regs., tit. 17		maximum	(Regulations on the date of manufacture)
U.S. Federal Law (AIM Act) and Federal Regulations ³⁾ 42 USC 7675 40 CFR Part 84	Across the United States	700 maximum	January 1, 2026 (Cannot pass through customs, regardless of the date of manufacture)

2) Regulations under federal law will also be applied in the State of California from January 1, 2026.

3) Products that have passed through customs by December 31, 2025 can be distributed in the U.S. or exported outside the U.S. for three years after the regulations have been put into force. (The use, relocation, and repair of existing oil cooling units is not subject to the regulations.)



High Greater energy efficiency than R410A, lowering efficiency the power consumption by approximately 10%.

0 Non-inverter type AKZ9/10 AKZ B (Made by Daikin) Series Series

*1.Comparison taking a non-inverter model to have a power consumption of 100 *2.Measured during model operation patterns set by Daikin

Measures to Be Taken When Using Mildly Flammable Refrigerant (A2L)

R32 is a mildly flammable refrigerant (A2L: ISO817).

Since it is slightly flammable, it needs to be used in compliance with the regulations of the relevant country. Japan The unit must comply with Guidelines⁴⁾ of the Japan Refrigeration and Air Conditioning Industry Association and safety must be secured even in a factory environment with many ignition sources. 4) Policy and guidelines for new launches of equipment that uses flammable refrigerant in Japan.

Europe Must be certified under the Pressure Vessel Directive (PED, Category 2) as required for CE compliance.

- Parts: Compressors, heat exchangers with an internal volume of 1 L or more
 - Products: Oil cooling units

Dower 20



conditioning/refrigeration equipment and refrigerant. We will continue to provide safe and energy-saving products in addition to shifting to low-GWP refrigerant.

DAIKIN INDUSTRIES, LTD. Oil Hydraulics Division

Osaka Office

YODOGAWA PLANT 1-1, Nishi-Hitotsuya, Settsu, Osaka 566-8585, Japan Phone: 81-6-6349-4475 Fax.: 81-6-6349-7862 Home Page: https://www.hyd.daikin.com

ALL WORLD MACHINERY SUPPLY, INC.

6164 All World Way, Roscoe, IL 61073, U. S. A. Phone: +1-815-943-9111 Fax.: +1-815-943-5370 Home Page: https://www.allworldmachinery.com/

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