

Signature 2023 (18.6) November 2025 - Refrigerant

Overview

Refrigerant tracking has been updated to comply with the American Innovation and Manufacturing (AIM) Act¹'s 2026 reporting requirements. The AIM Act brings major changes to refrigerant management. Businesses must meet new regulatory requirements for tracking, reporting, and leak detection by January 1, 2026. See [Refrigerant Tracking](#)². (SIG-239)

- Systems with **15 pounds or more of high-GWP refrigerant** must follow stringent leak repair timelines beginning in 2026 [ICC+8Thalo Labs+8Grasshopper Heating, Cooling & Plumbing+8](#)³.

We've added four new refrigerant equipment types:

- 7 - Small Appliance < 15 pounds
- 8 - Mid-Size Appliance 15 to 50 pounds
- 9 - Commercial Refrigeration >= 1,500 pounds (GWP > 53)
- 10 - Industrial Process Refrigeration >= 1,500 pounds (GWP > 53)

- **We've removed the 6 - Mid-Size Appliance 5 to 50 pounds refrigerant tracking type** from the drop-down selection, as it is no longer exempt in 2026. Equipment records that are currently using this option are permitted to continue using it.

- **Automatic Leak Detection (ALD) systems become mandatory:**

Systems with 1,500 pounds (or more) of high-GWP refrigerant will need to have Automatic Leak Detection (ALD) system installed by January 1, 2026 for new systems, and by January 1, 2027 for existing systems. Any equipment that falls in the >= 1,500 pounds of refrigerant will need to be re-categorized. Leak rate calculations have not changed for Commercial (20%) and Industrial (30%) systems.

- For **new installations** on or after January 1, 2026—immediately upon or within 30 days of equipment installation.
- For **existing systems** installed between 2017 and 2025—by **January 1, 2027**.

We've added an Automatic Leak Detection Installed checkbox on the equipment record's Additional Fields window. See [Working With Equipment Records](#)⁴.

- **The Refrigerant Tracking Leak Rate Analysis Report has been updated.** You will need to deploy this report to see the updated version. For information on deploying the report, see [Signature SSRS Reports Setup](#)⁵.

Click to view report screenshot.

Starting Date	01/01/1900	Ending Date	09/23/2025
Customer Number		Address Code	
Equipment ID		Show Detail	<input checked="" type="radio"/> True <input type="radio"/> False

Refrigerant Tracking Leak Analysis Report

1/1/1900 - 9/23/2025

Equipment ID		Equipment Description		Refrigeration Equipment Type			Optimal Charge	EPA Leak Rate Max Pct	Master Equipment Id / Description	
Service Date	Service Call	Orig Service Call	New Added	Leak Found	Leak Repaired or Attempted	ALD Installed	Leak Rate		Initial Leak Test Date	Followup Leak Test Date
<input type="checkbox"/> Customer: 105 --- LAKE PARK GOLF SUPPLY2										
<input type="checkbox"/> Address: MAIN OFFICE --- LK PK-16778 W BELOIT RD										
EQUIP003		Commercial Refrigeration 50 to 500 pounds				No	10.00	20.00%		
6/29/2022	220629-0003		3.00	No			30.00%			

1. <https://www.epa.gov/climate-hfcs-reduction/background-hfcs-and-aim-act>

2. <https://wennsoft.atlassian.net/wiki/spaces/1806b08/pages/8160845/Refrigerant+Tracking>

3. https://thalolabs.com/blog/epa-refrigerant-rules-what-you-need-to-know/?utm_source=chatgpt.com

4. <https://wennsoft.atlassian.net/wiki/spaces/sig2025/pages/595829624/Working+With+Equipment+Records>

5. <https://wennsoft.atlassian.net/wiki/spaces/sig2025/pages/595842359/Signature+SSRS+Reports+Setup>

Installation

The Refrigerant Tracking update is installed by applying the **SQL script** files to the Company Database. We recommend that you back up the company database before applying the script, so you can restore it if needed.

Run the SQL scripts in the following order:

- 01_SV40181_AddNewFields.sql
- 02_SV40181_LoadDefaults..sql
- 03_k2aGetLeakRate.sql
- 04_k2aRefrigerantLeakAnalysisReport.sql

You will also need to deploy the updated Refrigerant Tracking Leak Analysis Report.rdl report by following the deployment instructions found here: [Signature SSRS Report Setup](https://wennsoft.atlassian.net/wiki/spaces/1806b08/pages/8160741/Signature+SSRS+Report+Setup)⁶.

6. <https://wennsoft.atlassian.net/wiki/spaces/1806b08/pages/8160741/Signature+SSRS+Report+Setup>