



Refrigerant Management Program (California Assembly Bill AB32) Summary

This Regulation Affects:

- **Any Owner or Operator** of a facility with one or more stationary refrigeration systems with a high GWP **Refrigerant charge of more than 50lbs. (AC Systems are not currently affected)**
- **Any Contractor** that services or maintains systems that contain high GWP Refrigerants.
- **Any Distributor or Reclaimer** of high GWP Refrigerants.

A High GWP Refrigerant – is any CFC, HCFC, or HFC refrigerant with a **Global Warming Potential of 150 or more**. All currently CFC, HCFC and HFC refrigerants have GWP values of **1430 or higher**.

Effective January 2011

- All systems containing a High GWP refrigerant charge of 50lb or more must be subjected to periodic leak test per the following schedule.

Systems with 50 to 199 lbs	Systems w/ 200 to 1999 lbs	Systems w/ 2000 lb or more
Annual Leak Inspection	Quarterly Leak Inspection	Monthly Leak Inspection

- If refrigerant is added to a 50lb+ system **(5lbs or 1% which ever is greater) a leak test must be performed**. There are different requirements for seasonally operated systems.
- Any leak that is detected **must be repaired and documented within 14 days**. Some exceptions to the 14 day rule apply where up to 120 days may be allowed, including availability of replacement components and critical duty systems.
- Refrigerant may not be added to a system with a known leak unless it is to maintain operation in advance of a scheduled repair.
- Any System where the leak cannot be repaired within prescribed time limit **must be retired**, or replaced. Time limits range from 60 to 135 days depending on the leak repair deadline.
- All repairs **must be performed by a C20 or C38 licensed contractor**. An exception is made for facilities that service and maintain their equipment with employed staff.
- All High GWP refrigerant sales are restricted to persons that are EPA certified or companies that employ EPA certified technicians and can provide the proper documentation.
- All **disposable refrigerant cylinders must be evacuated** to 15 inches of vacuum before recycling or disposal.
- **Record Keeping Requirements** for Facilities with Stationary Refrigeration Systems of 50lbs or Greater.
 - Records on all Refrigeration System Service.
 - Invoices of all Refrigerant Purchased.
 - Records of all Shipments of Refrigerant for reclamation or destruction.
 - Any Retrofit or Retirement plans required due to unresolved leaks.
 - Records of all Refrigeration Systems and the data used to calculate the system charge.
 - All System Registrations Information (registration to be phased in starting 2012).
 - All Reports that have been submitted (reporting to be phased in starting 2012).

Registration & Reporting Requirements for Systems of 50lbs or Greater

	Systems w/ 50 to 199 lbs	Systems w/ 200 to 1999 lbs	Systems w/ 2000 lb or more
Registration	March 2016 No Fee	March 2014 \$ 170.00 Fee	March 2012 \$ 370.00 Fee
Annual Reporting	No Reporting	March 2014	March 2012
Leak check	Annually	Quarterly	Continuous Monitoring required by 2012

Changes specifically for large systems 2000 lb and more

Effective 1-1-2012:

- All systems **must have automatic leak detection** system.
- Systems must be programmed to alert the operator when the leak concentration reaches **100 parts per million**.
 - Most existing systems will need to be **recalibrated and tested to this new lower standard**.
- Leak inspection must be done within 24 hours of alert.
- Systems must be audited and **calibrated annually**.
- System Components that are not equipped with automatic detection will need to be leak checked quarterly.
 - Outdoor Equipment Racks, Evaporative Condensers etc.

Record Keeping and Enforcement

Effective 1-1-2011:

- All records must be kept on site where the system resides for **a minimum of 5 years**.
- **Records must be made available** to the executive officer of the California Air Resource Board, (CARB), an authorized representative, including a local Air Pollution Control Officer, upon request.
- Local Air District may adopt and enforce an equivalent rule.

Record Keeping and Reporting Requirements for Distributors & Reclaimers

Effective 1-1-2011:

- Distributors and Reclaimers must maintain records on all refrigerant sales and reclaim activity for a period of 5 years.
- Distributors and Reclaimers must submit annual reports on all their refrigerant activity.
- Distributors must obtain written documentation from each customer showing they employ at least one certified technician prior to the sale of any High GWP refrigerant.
- First annual Reporting is required by March 2013.

For further information visit:

www.arb.ca.gov/cc/reftrack/reftrack.htm , email reftrackinfo@arb.ca.gov or call 916-327-8532