



## Refrigerant Gases. A Reliable Supply. A Quality Source.



As a leading refrigerant provider, Linde Canada Inc. offers a wide range of refrigerant gases. We strive to be the premium supplier of products and support programs that meet the ever-changing needs of air-conditioning and refrigeration professionals. Linde provides a diverse selection of refrigerant gases to satisfy regulatory compliance standards and responsively meet the needs of our customers.

- Applications**
- Commercial and residential air-conditioning
  - Fisheries and refrigerated trailers
  - Low temperature supermarket application
  - Process chilling or heat extraction

### A Knowledgeable Partner in Refrigerants:

**Fluorocarbon Refrigerants** – Hydrochlorofluorocarbon (HCFC) refrigerants are the second generation of fluorine-based refrigerants and include: R-22, R-123, R-124, R-401A, R-401B, R-402A, R-402B, R-409A, R-409B, and more. The HCFC's have low Ozone Depletion Potential (ODP) and high Global Warming Potential (GWP). These refrigerants are being phased out as part of a commitment to global conventions, including the Montreal Protocol and Kyoto Protocol.

Hydrofluorocarbons (HFC's) are the third generation of fluorine-based refrigerants and include: R-134a, R-404A, R-407C, R-410A, R-413A, R-417A, and more. Compared to HCFC's, HFC's have low ODP and low GWP.

**Natural Refrigerants** – These are considered substitute refrigerants, which include refrigerant grade carbon dioxide (R-744), ammonia (R-717), propane (R-290), and numerous other hydrocarbons. Linde's natural refrigerants exhibit a lack of ODP and extremely low GWP.

Linde offers these fluorocarbon refrigerants and natural refrigerants in various quantities, ranging from cylinders to bulk tanks.



### Guide to Refrigerants

Common Name	Classification	Gas it replaces	Application
R-22	HCFC	-	Used in medium and low temperature A/C systems.
R-134a	HFC	R-12, R-500	Replacement for R-12 and R-500 in automotive systems. System retrofit required. Automotive applications require adaptor.
R-404A	HFC blend	R-502, R-22, R-402A,	Medium and low temperature refrigeration. System retrofit required.
R-407C	HFC blend	R-22	Replacement for R-22 in residential A/C, medium and low temperature systems. System retrofit required.
R-410A	HFC blend	R-22	Replacement for R-22 in small chillers and residential and light commercial A/C systems. System retrofit required.
R507A	HFC blend	R502, R-22	New refrigeration equipment, such as food display and storage cases, cold storage rooms, transportation, and process refrigeration.
R-421A	HFC blend	R-22	Green "drop in" replacement for R22. System retrofit not required.
R1234yf	HFO	R134A	Automotive air conditioning for new systems. A2L flammability rating, which means it is mildly flammable.

**The Refillable Resource** – Linde offers refrigerant gases in refillable containers which are available in various sizes, allowing you to choose the containers that best meet your needs while simplifying your cylinder handling responsibilities.

Sizes range from convenient 11 kg cylinders to larger half ton containers for applications with increased gas demands.

**Refrigerant Recovery Program** – Linde also offers refrigerant recovery cylinders for recapturing and reclaiming refrigerants. We accept recovered product from you and recycle the refrigerant through regulated facilities. This program is a win-win for both your business and our environment.



**Contact Linde today:** For quality refrigerant and air-conditioning gases, please email us at [specialty.gas.support@linde.com](mailto:specialty.gas.support@linde.com) or call **1-800-225-8247**.

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