

Ecologic No-Flammable Refrigerants

Introduction to the Ecologic No-Flammable refrigerants use

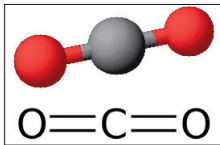
The market for refrigeration and air conditioning is focusing more and more on issues related to the environmental impact of their systems in order to comply with established of the Montreal Protocol (1987) and the Kyoto Protocol (1997).

During the last ten years the use of Carbon Dioxide (CO₂) as a refrigerant has gained renewed interest because of ecological problems caused by the use of synthetic fluids (CFC-HCFC-HFC).



As matter of fact, Carbon Dioxide

- is a natural refrigerant
- has ODP = 0 (Ozone Depletion Potential)
- has GWP = 1 (Global Warming Potential)
- is not a flammable refrigerant
- is not toxic
- is a product available in all the world
- is a low cost product



Furthermore, European governments are planning the progressive restriction of the use of synthetic refrigerants in any type of heating system: for example, the Norwegian government provides for the payment of fees for the use of HFC refrigerants while the Austrian has prohibited the use from 2008; in the same direction are moving the Switzerland and Denmark governments.

It is still a fact that the governments of the North-European Nations are strongly promoting the use of natural refrigerants, collaborating with organizations like NGO (Non Governmental Organizations) as Greenpeace and UNEP.

As of today the challenge that leads to the use of air conditioning and refrigeration without HFC and HCFC was already full collected by famous multinationals that are making several thousand Field Test worldwide.

FT srl works every day to encourage and provide industrial solutions that relate to the processing of refrigerant gases in total respect of the environment and according to international protocols that have been adopted over the years.