

SUMMARY

Going beyond the reclamation of fluorinated greenhouse gases will accelerate the transition to a circular economy

Climalife, Monday 3 July 2023

Description: As a pioneer in responsible refrigeration with the recovery and recycling of fluorinated greenhouse gases in Europe, the concept of a circular economy constitutes the very essence of our brand. Since the implementation of the recovery system, more than 30 million tons of CO₂ equivalent have been avoided by our action in Europe. And today, 75% of fluorinated greenhouse gas waste are revalorised.

To meet the challenges of climate change and the objectives of carbon neutrality, Climalife anticipates and fully integrates the environmental responsibility at the heart of its innovations.

The advancement of fluid technologies requires to adapt the current methods to better meet the needs of the market. The complexity of new multi-component fluids (hydrocarbons, CO₂, HFO, etc.), the criterion of flammability, high pressure, etc. are all challenges that require new technologies.

Recovering GHGs is essential, but it is no longer enough to achieve our decarbonisation objectives. To be more effective, Climalife has patented new solutions for separating molecules including distillation, to meet the needs of different industries, whether in refrigeration applications, aerosol propellants, SF₆, extinguishing agents,

With this new technology, we now have all the solutions we need to manage the life cycle of fluorinated greenhouse gases.

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On the basis of its 30 years' experience, Climalife adapts its services according to requirements, even managing the entire waste management process, from collection to treatment (destruction or reclamation).