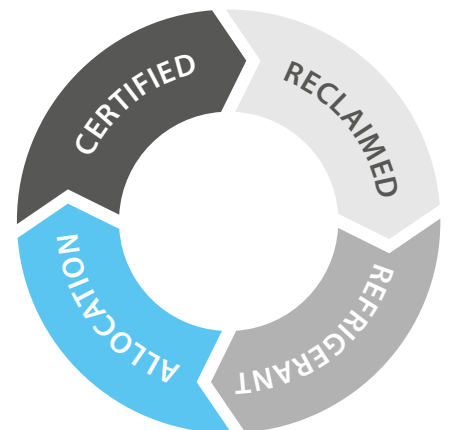




# Certified Reclaimed Refrigerant Allocation



Make a positive choice and reuse refrigerant to avoid more than 150,000 kg of virgin gas being produced each year



What does

# Certified Reclaimed Refrigerant Allocation

mean?

## External Certified Quality

Reclaimed refrigerant meets AHRI700 certified standards, assessed by an independent laboratory, and so is the **same quality as virgin refrigerant**.

## Reclaimed and reused within Europe

Reclaimed means the refrigerant is regenerated in a high quality way, in line with the F-gas regulation definition. This means that units with reclaimed refrigerant **support the F-gas regulation** by recovery and reclaim within the European Union.



## Certified Allocated Quantity

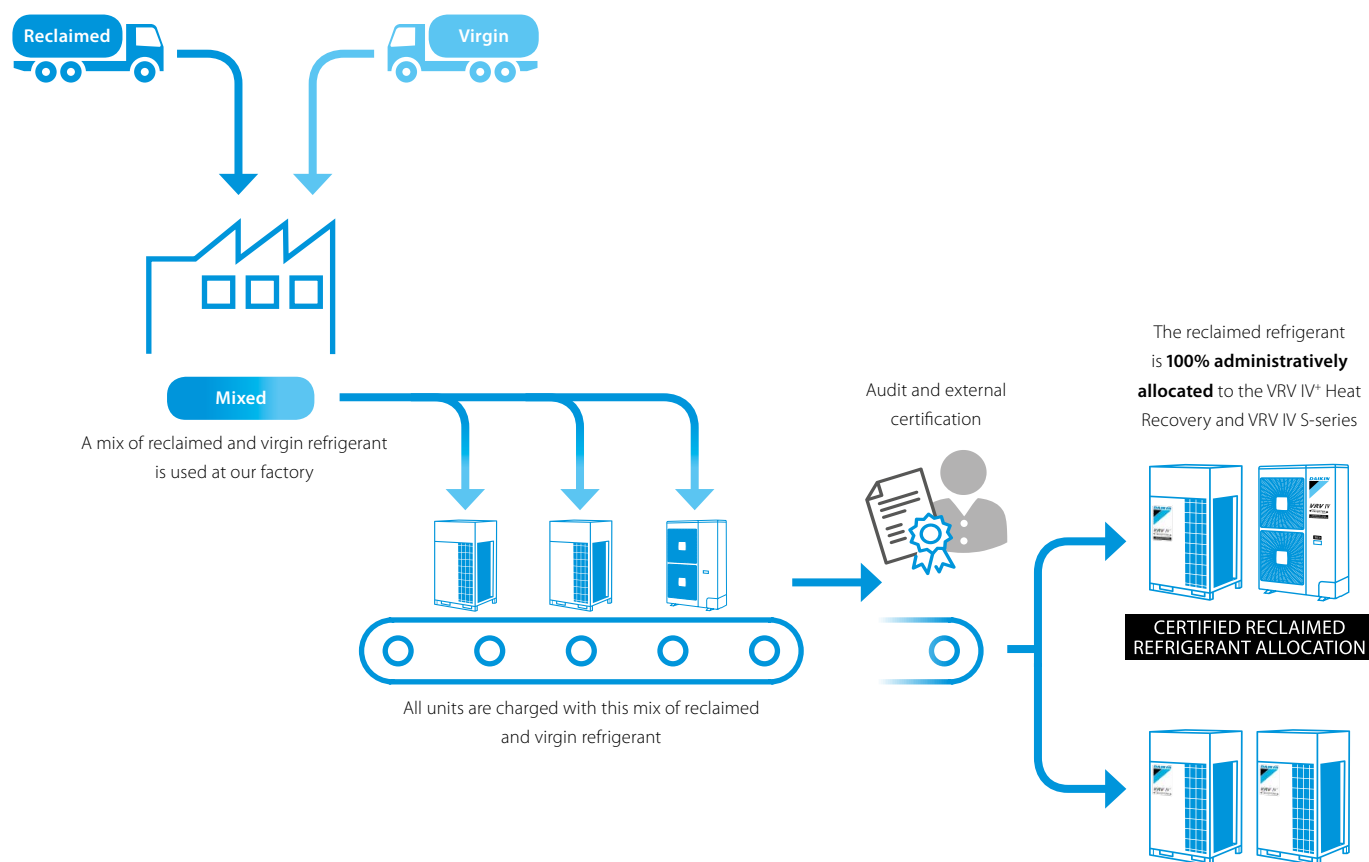
Virgin and reclaimed refrigerant are used in the Daikin Europe factory. Through an audit process we ensure the reclaimed refrigerant is administratively **allocated to the VRV IV+ and Mini VRV** factory charge.

## Reclaiming R-410A is just the start

**With a huge potential of R-410A available in existing installations, we invite you to join our mission** in creating this circular economy. Today for R-410A and for other refrigerants in future.

# Certified Reclaimed Refrigerant Allocation: The principle

“Certified Reclaimed Refrigerant Allocation means reusing refrigerant and **avoids more than 150,000 kg** of virgin gas being produced each year.”



## Do these units have 100% reclaimed refrigerant?

No, at the factory reclaimed and virgin gas is mixed and the amount of reclaimed gas is allocated administratively to two product ranges: **VRV IV+ Heat Recovery and VRV IV S-series** (4, 5, 6 HP).

Meaning that for every VRV IV+ Heat Recovery and VRV IV S-series (4, 5, 6 HP) unit you buy, we use the equivalent amount of certified reclaimed refrigerant to charge units at the factory. This is comparable to a green electricity contract, where you use a mix of conventional as well as renewable produced electricity and the provider allocates administratively 100% renewable produced electricity to your contract.

## Inspired? Here is how you can help

- › **Make a sustainable choice** by promoting units with Certified Reclaimed Refrigerant Allocation
- › **Raise the awareness** and share your expertise to other stakeholders, to build a circular economy
- › **Send your recovered gas** from existing installation to reclaim. Your Daikin contact can support you
- › Use our **refrigerant recycling machine** to reuse recovered refrigerant for field charge

Find out about Daikin's initiatives to help building a circular economy visit:

[www.daikin.eu/building-a-circular-economy](http://www.daikin.eu/building-a-circular-economy)

# Daikin's Environmental Vision:

## Striving to become the lowest CO<sub>2</sub> equivalent manufacturer

The introduction of Certified Reclaimed Refrigerant into selected VRV units is a core component of Daikin's vision to support the development of a circular economy, which aims to design out waste and pollution, keep products and materials in use and regenerate natural systems.

It is also part of Daikin's wider commitment to provide safe and healthy air environments while striving to reduce our direct and indirect CO<sub>2</sub> emissions.

An overview of the actions we are already taking today.

### CO<sub>2</sub> equivalent reductions thanks to the use of lower GWP refrigerants

- › R-410A (2,087.5) → R-32 (675): - 68%
- › R-404A (3,922) → R-407H (1,495): - 62%
- › R-134a (1,430) → R-1234ze(E) (7): - 95%

### Increasing seasonal efficiency of our products

To achieve sustainability over the entire lifecycle of an installation, we are not only looking at refrigerant CO<sub>2</sub> equivalents, but also at total system efficiency. We deliver market leading efficiencies thanks to:

- › A+++ efficiencies of our residential products
- › Energy-saving VRV systems, with Variable Refrigerant Temperature
- › Inverter technology
- › Heat recovery technology

### Reduced charge in new equipment

More efficient refrigerants such as R-32 and microchannel technology reduce the refrigerant charge

- › Up to 30% reduction thanks to R-32
- › At least 15% reduction thanks to microchannel

### Increasing refrigerant reuse – towards a circular economy

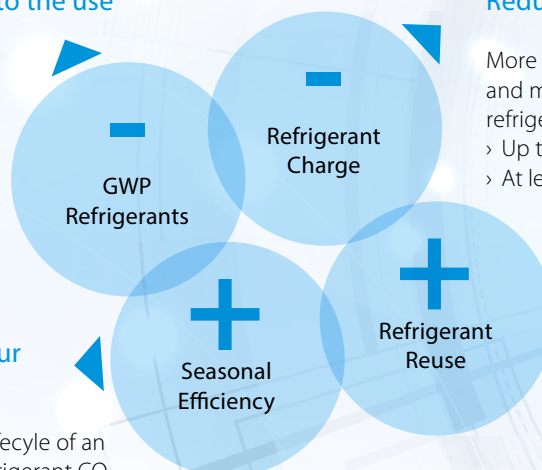
Promotion of refrigerant recovery and reuse

- › Use of Certified Reclaimed Refrigerant
- › Availability of a refrigerant recycling machine

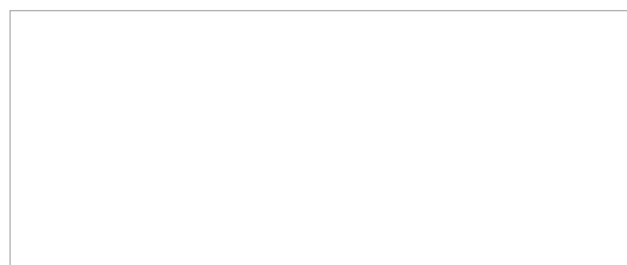
### Reducing servicing and maintenance use

Even further reduction of leakage rates

- › VRV, Split and Sky Air systems already have proven leakage rates of below 1,5% on average



Daikin Europe N.V. Naamloze Vennootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN19-223

06/19



The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.

Printed on non-chlorinated paper.