

Why do we need new refrigerant?

The EU introduced new regulations in 2014 aimed at reducing the F Gas emissions by 80% across Europe. This is going to be achieved by phasing down the amount of F-gases present on the market, and is part of an ongoing initiative to reduce the environmental impact of refrigerants.



Why should you care?

You could be committing a **direct criminal offence**:

- If your air conditioning device releases fluorinated greenhouse gases into the atmosphere
- For failing to comply with a requirement to dispose, render harmless or remove a product containing, or whose functioning relies on F-Gases.

“ I cannot recommend them highly enough - One of the most professional and efficient companies I've ever come across. ”

Customer in Brighton.

“ This is a company that clearly takes pride in its work and sets itself high standards. I would have no hesitation recommending Sub-Cool FM services. ”

Customer in Billingshurst.



Industry experts providing best-in-class products with unrivalled customer care.

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R32:

It's Time To Take Action

In an era of intensifying debate about global climate change and CO2 emissions, Sub-Cool Fm offers only the most efficient and sustainable options available on the market.

So, what is the current situation?

Sub-Cool FM have been preparing well in advance to ensure our customers receive industry-benchmark products that comply with the new regulations. We have attended events and all of our team have been trained in the use of compliant materials.

At the minute, the number one refrigerant on the market is R410a. However, over the past 18 months we have seen over a 130% increase in the costs of running systems using this refrigerant.

The Reasons:

- Less high GWP refrigerants in circulation thanks to EU regulations
- Direct result of refrigerant companies implementing change in the industry
- Some A/C companies have no idea and do not act in their customers' interests



REFRIGERANT ENVIRONMENTAL IMPACT



Through the years different types of refrigerant have come into general use as more consideration is given to environmental impact.

R12	OZONE DEPLETION POTENTIAL (ODP) 1.0	100 YR GLOBAL WARMING POTENTIAL (GWP) 10,900
R22	OZONE DEPLETION POTENTIAL (ODP) 0.055	100 YR GLOBAL WARMING POTENTIAL (GWP) 1,810
R410A	OZONE DEPLETION POTENTIAL (ODP) 0	100 YR GLOBAL WARMING POTENTIAL (GWP) 2,090
R32	OZONE DEPLETION POTENTIAL (ODP) 0	100 YR GLOBAL WARMING POTENTIAL (GWP) 675

CONCLUSION

R32 is THE most environmentally-friendly refrigerant on the market.

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Are you ready for R32?

The solution is R32 refrigerant.

R32 has turned the industry on its head, thanks to a series of benefits it provides over alternatives, such as:

- a low GWP and zero Ozone Depleting Potential (see graph)
- being ideal for the next generation of equipment
- Offers higher efficiency and longer pipe runs
- It is F-Gas phasedown compliant
- Requires less refrigerant volume per Kw
- It is affordable and readily available (CURRENTLY 1/3 OF THE COST OF R410a)
- It is easier to reuse and recycle
- It is easier to handle

Currently, the biggest implication is repair costs. R410a is £100 per kilo, with the average single system holding anywhere from 1-5kg (**this is excluding any labour/materials used**).

Make the switch and become eco-friendly.

Get in touch with the Sub-Cool Fm team.



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