

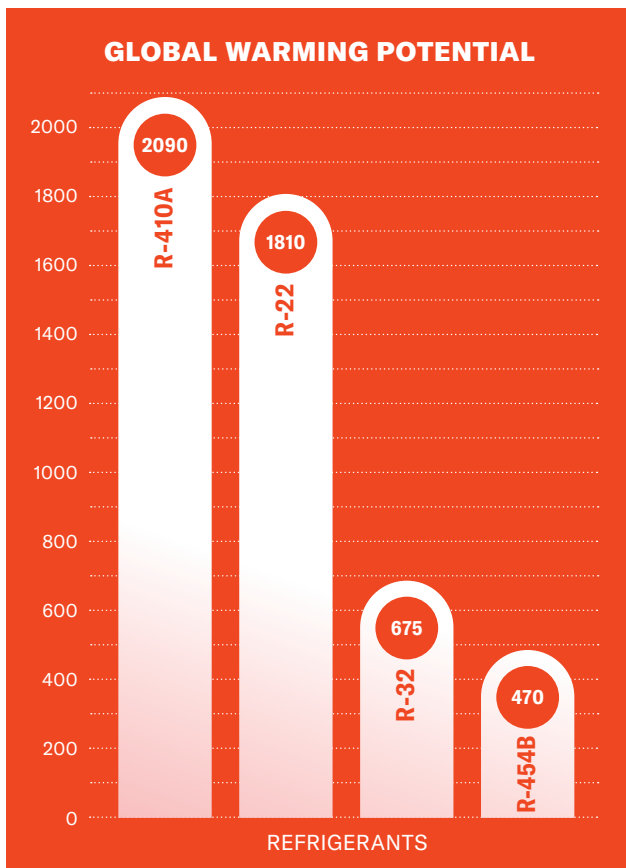
UNDERSTANDING The Refrigerant Transition



AT TRANE, TECHNOLOGY AND SUSTAINABILITY GO HAND IN HAND

At Trane, we're constantly innovating for a more sustainable future—without sacrificing reliability, durability, or efficiency when it comes to your year-round home comfort.

As for many industries, the past few decades in heating and cooling manufacturing have been an era of significant change—seeking new ways to protect the global environment. Trane's newest lineup of equipment designs have been created in the pursuit of minimizing damage to the Earth's ozone layer and climate change to maximizing energy efficiency—an all-hands-on-deck pursuit for the engineering team at Trane.



Understanding Global Warming Potential (GWP)

Whether in your air conditioner, car, or home refrigerator, a refrigerant is a medium for conveying heat from one place to another—but refrigerants also have an impact on the environment. Low global warming potential (GWP) refrigerants represent the next generation of technology for a more sustainable tomorrow.

In simplest terms, GWP is an international measure of environmental impact—with a higher GWP indicating more warming potential. Starting in 2025, the US government will require that new residential HVAC equipment be manufactured to use refrigerants with a GWP of less than 700.

Trane has dedicated countless hours of research to identify and evaluate lower GWP alternatives, and concluded that the most sustainable and future-proof alternatives are **R-454B** and **R-32**. The majority of equipment will utilize the R-454B refrigerant, while select products will utilize R-32. There will be a period of transition between the current and new products, but rest assured, your dealer will provide you with the best solution at the time of your need.

Chart Source Reference:
[EPA Significant New Alternatives Policy \(SNAP\)](#)

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What to Expect

Trane is ahead of the curve, with the first new equipment designs available on the market in early 2024 and all equipment being in production by Jan. 1, 2025. Our new equipment that uses low GWP refrigerant is tagged with our green icon for easy identification.



New Features

Trane products using new, low GWP refrigerants include key features such as an exclusive Refrigerant Detection System (RDS) technology: factory-installed sensors and mitigation panels on certain equipment to ensure safety for your family and service technicians.



Impact on Older Equipment

It's also important to note that existing HVAC equipment cannot switch from R-410A refrigerant to the new low GWP refrigerants. As previous refrigerants are phased out due to federal government regulations, supply will diminish and could become more expensive. In the event repairs or replacements are needed for your HVAC system, consult with your local Trane dealer to determine the best solution for your home.

DEPEND ON TRANE FOR YOUR NEXT GENERATION HVAC

With Trane, you can feel confident about investing in a quality product that adds value to your home, and also fosters sustainability. To learn more, please contact your local Trane dealer.