

Refrigerant changeover

Changeover for enclosures and machinery - refrigerants with lower GWP values.

With the F-Gas Regulation, also companies are now required to make their contribution to greater climate protection. Air conditioning systems for industrial use must run reliably and efficiently in the long term while meeting increasing demands for environmental compatibility. Fast action is required in order to remain competitive in the global markets.

Seifert Systems takes this urgency into account and is already gradually converting its various cooling units and chillers to the more environment friendly refrigerant - R513A.

Smooth and effortless

With the refrigerant changeover, we ensure that your production remains **legally** compliant in both Europe and the USA and that you reduce your CO₂ footprint, thus setting the path for a sustainable future.

The so-called “Global Warming Potential”, which is indicated by the “GWP” value, is an indicator of the climate pollution. As a reference substance, carbon dioxide (CO₂) has a GWP value of 1. The GWP value of the common refrigerant used today, R134a is 1430.

So if one kilogram of R134a escapes into the atmosphere, its climate damaging impact is 1,430 times greater than that of one kilogram of CO₂.



Our goal is to make the transition as smooth and effortless as possible. No new article numbers are required and no dimension drawings need to be changed. You can fully concentrate on your business.

The advantages of R513A refrigerant

56%

Lower Global Warming Potential: Refrigerant R513A has a significantly lower GWP value of 630 compared to R134a.

70%

For chillers, the GWP value is even reduced further from 2,088 for R410a to 630 for R513A.

By switching to R513A, our products also meet the strict requirements of the US and Canadian market. From January 1, 2025, a GWP value of less than 750 will apply to cooling units (California) and since January 1, 2024 to chillers (California). The regulations in force in the state of Washington and Canada from January 1, 2025 also require a GWP value of less than 750 for Chillers.

Worth knowing:

The regulations only apply to new cooling devices and chillers. Existing systems can be operated and maintained with refrigerants R134a/ R410a until 2032. According to this, a service and maintenance ban applies to systems in which refrigerants with a GWP value of over 750 are used.