

**STULZ**

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# STULZ Explorer WSA and WSW now available with R-513A

The new low GWP refrigerant is now available for STULZ chillers with screw compressors.



- **Decrease of the GWP by 60%**
- **ASHRAE safety class: A1**

## + Main properties

- ODP: 0
- Performance comparable with R-134a
- GWP: 573
- Composition: R-1234yf + R-134a (56%/44%)
- ASHRAE safety class: A1
- Upgrade for R-134a
- STULZ quality seal



## R-513A: safe, efficient, environmentally friendly

The range of STULZ chillers with screw compressors has been expanded by a further option. The air-cooled Explorer WSA and water-cooled Explorer WSW units are now available with refrigerant R-513A, thus providing a real alternative to the R-134A used so far.

In addition to its substitutability in the system, R-513A achieves comparable performance values to R-134A. With the same unit size, the cooling capacity and the application fields of the chillers are virtually identical.

In contrast to ultra-low GWP refrigerants such as R1234ze or R1234yf, R-513A is classified as ASHRAE safety class A1 (A=not toxic; 1=not flammable/inflammable). R-513A consequently offers the benefit that no increased safety measures are required in the case of indoor use. Although the GWP of 573 is significantly higher than that of R1234ze & R1234yf, it is nevertheless a valid replacement for R-134A. This is particularly apparent when the respective CO<sub>2</sub> equivalents are compared.

$vGWP \times \text{fill volume} = \text{CO}_2 \text{ equivalent}$

**R-134a:**  $1430 \times 10 \text{ kg} = 14300 \text{ kg CO}_2$

**R-513A:**  $573 \times 10 \text{ kg} = 5730 \text{ kg CO}_2$



WSA



WSW

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