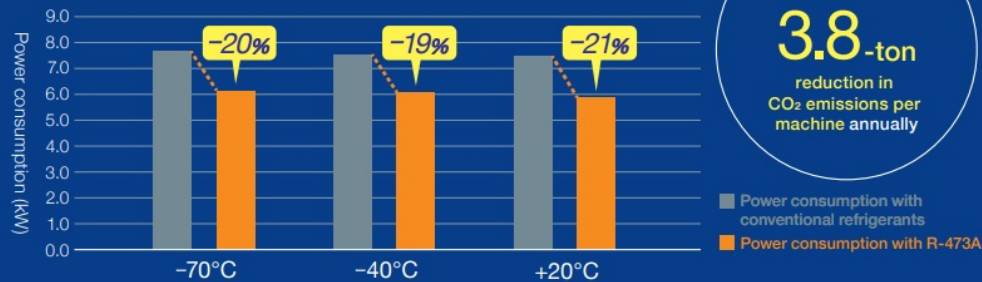


New High Energy Refrigerant R-473A

Energy savings and sustained performance

By combining Espec's unique technology with this highly energy-efficient refrigerant, power consumption during product usage can be reduced. CO₂ emissions can also be contributed to reduce.

ARS-0680-5 (Example)



We are pleased to announce the release of the new Refrigerant R-473A for Espec environmental test chambers. This new refrigerant can be ordered as an option to replace R23 and R-508A. R-473A is an environmentally friendly low GWP refrigerant that has cleared regulations globally. Its characteristics make it possible to reduce both power consumption and the amount of refrigerant required.

R-473A is designed to achieve high performance in ultra-low temperature cooling applications. Effective to -75°C it has a refrigeration capacity 15% higher than R-23 delivering energy savings and sustained performance. With a GWP of 1830 the new gas is 88% lower than R-23 and offers no ozone-depleting potential.

By combining Espec's unique technology with the highly efficient refrigerant, power consumption during product usage can be significantly reduced as well as CO₂ emissions lowered.

Currently available on the [Bench top temperature & Humidity chambers](#), [constant climate chambers](#), [Platinous J series](#), [environmental stress chambers](#) and [walk in temperature chambers](#) it will also soon be rolled out across the remaining cabinets.

Climate change caused by global warming is having a significant impact on earth's environment and people's lives. Espec recognises the critical importance of environmental conservation, preservation and improvement and this newest feature demonstrates their commitment to offer the best eco- and user-friendly solution for a long product lifetime.

Plans are in place to carry out further energy savings in manufacturing processes and offices and to actively proceed with the introduction of renewable energy. They also intend to carry on development to create further energy savings in their products, to encourage suppliers to set reduction targets and to carry out activities for reducing GHG emissions throughout the supply chain.

For the moment the new refrigerant is available only for ARS/G -0680-5-E and ARS/G -1100-5-E chambers ordered from May 1st, 2022. Other chamber models will follow later, and we will announce their availability in the near future.