

Smart Refrigerant Leak Detection capability to Daikin's remote monitoring services for chillers is available now

Daikin has announced the launch of a new Refrigeration Leak Detection feature to assist chiller equipment and plant users with safety management and F-Gas compliance.

Vienna, November 2021 – The technology behind the new function is based on a unique new software algorithm developed by Daikin which uses historical data to raise an alarm in the event of a potential leakage and to report on the frequency of occurrences over time, allowing users to decide whether action is required.

“This new functionality will support our customers in reducing the environmental impact of refrigerant leaks. It helps saving time and money on doing manual leak checks and avoid any surprises during the peak seasons. With this new tool our growing service team and our partners in the HVAC-R industry can really make a difference to protect our environment”, says **Carl Lievens, Managing Director Daikin Central Europe**, who is responsible for 16 markets in Central and Eastern Europe.

The new algorithm detects even slow gas leakages over an extended load range, starting at 33 % of unit load compared to 50 % for other applications on the market, while referencing data from one month up to the 12 months previously.

Improved performance reliability

“Avoiding leaks is of high importance to Daikin and supports our efforts to reach net zero CO₂ emissions by 2050. Detection of small leaks at an early stage allows Daikin specialists to intervene promptly, minimizing surprises to the customer, conserving valuable refrigerant and protecting our climate”, says **Erlend Ingebrigtsen, General Manager of Service at Daikin Central Europe**.



Leading the market

The new Refrigerant Leakage Detection service is now available as part of the Daikin on Site (DoS) cloud-based remote monitoring and control system. Setting new performance standards, the new Refrigerant Leak Detection service is distinguished by convenience and cost-effectiveness, as well as by the intelligent technology behind it.

Monitoring through the existing cloud removes the need for additional refrigerant leakage detection sensors and a local controller, helping to offset initial system purchase costs. The machine learning technology incorporated in the DoS cloud services enables improved detection rates of 15 % for leakages, surpassing current market performance. Faster leak identification and repair prevents the release of harmful refrigerants into the atmosphere, helping users to minimize their environmental impact.

More options

The Refrigerant Leak Detection function can also be supplied bundled as part of a maintenance contract for users who choose to outsource monitoring and management services, where the service engineer receives an alarm at the time of leakage detection, analyses the situation remotely and on site, and quotes necessary repair measures as necessary.

Daikin plans to extend its refrigerant leak detection capabilities soon, with the introduction of a comprehensive refrigerant management service to assist Daikin users with F-Gas compliance through a one stop shop that includes the management of the amount of refrigerant and fulfilment of inspection requirements.

Reducing the environmental impact

The new Refrigerant Leak Detection Service is the latest in a series of advances, driven by a continuous product development program which is focused on innovation, performance and energy efficiency.

Available now: To add the new Refrigerant Leak Detection service to a subscription, contact [local Daikin offices](#).



About

Daikin Airconditioning Central Europe

Daikin Airconditioning Central Europe was founded in 1999 with its headquarters in Vienna, Austria. The company's portfolio comprises products and solutions for heating, cooling, ventilation, air conditioning and refrigeration. More than 450 professionals are in charge of pre-sales, sales and after-sales-services in 16 countries across Central and Eastern Europe in Austria, Albania, Bosnia & Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Kosovo, Montenegro, North Macedonia, Moldavia, Poland, Romania, Serbia, Slovakia and Slovenia.

Daikin Europe N.V.

Daikin Europe N.V., Daikin Central Europe's mother company, is a major European producer of air conditioners, heat pumps and refrigeration equipment, with approximately 10,000 people employed throughout Europe and 14 major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey, Austria and the UK. With more than 90 years' experience in the design and manufacture of heating and cooling technologies, Daikin is a market leader in heat pump technology. Daikin VRV and Daikin Altherma are the most sold heat pump systems in Europe, with over 500,000 systems delivered to date.

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