



Chiller Maintenance from Daikin

The key to reliability and peace of mind

UK.FS.DOS

Protect your investment with Daikin

To protect your initial investment and ensure efficient operation throughout its lifetime, it is crucial to take care of your Chiller. Maintaining the installation provides the following benefits:

Legal compliance

Since 2015, F-gas checks are required for all HVAC-R equipment containing fluorinated greenhouse gases (if more than 5 tons of CO₂ equivalent). Depending on the F-gas charge, the installation must be checked by a maintenance operator a certain number of times a year. The EBPD (directive 2010/31/EU) is another reason your chiller should be checked regularly.

Cost savings

Only 30% of buyers who opt for reactive maintenance listed their system as “cost-effective overall”, compared with 50% who chose a regular maintenance method¹. This definitely rebuts the myth that you save money by avoiding maintenance costs, as breakdowns and energy inefficiencies caused by not maintaining systems actually costs more in the long run. Energy inefficiencies can be prevented through routine maintenance. In general, 12 to 18% savings can be achieved by making the step from reactive to proactive maintenance.²

Reliability

Maintaining your chiller reduces the probability of unexpected breakdowns, because it allows you to undertake pre-emptive actions before failures occur. This can extend your chiller lifetime by 50%.³

Comfort & air quality

A well maintained chiller provides your building users with improved comfort and air quality. This can have a significant impact on people’s behaviour. For example, poor air quality in office buildings can influence employees’ productivity by 6 to 9%.

Summary



Your chiller is subject to ongoing F-gas checks & regular inspections.

12%-18%

Percentage of savings achieved by preventive maintenance, compared with not maintaining the installation

50%

Increased lifetime of chiller that has regular maintenance³

6%-9%

Decrease employee productivity due to poor air quality⁴

¹ Bosch Rexroth. (2016). What you don't repair you destroy – A report into maintenance practices in UK industry.

² Sullivan, G.P., Pugh, R., Melendez, A.P., & Hunt, W.D. (2004). Operations & Maintenance Best Practices: A Guide to Achieving Operational Efficiency (Release 2.0).

³ Firdaus, N., Prasetyo, B., & Luciana, T. (2016). Chiller: Performance Deterioration and Maintenance. Energy Engineering, 113(4), 55-80.

⁴ Wyon, D. (2004). The effects of indoor air quality on performance and productivity. Indoor Air, 14, 92-101.



Chiller maintenance by Daikin Technicians

Our goal is to guarantee your chiller operates at optimal performance throughout its lifespan.



By choosing Daikin to maintain your chiller, you'll gain

- > Maximum efficiency of chiller operation
- > Peace of mind that Daikin engineers have the expertise to support your chiller
- > Planned maintenance with one major service and up to three minor services a year
- > Full refrigeration inspection of all components, compressors and safety devices
- > Checking of all electrical sensors, switches and transducers
- > Checking of all control values and alarm history with Daikin service checker
- > F-gas reports to help you meet legislative requirements
- > Control tuning and advanced coil cleaning
- > Daikin On Site for close monitoring of your chiller
- > Daikin on Site remote monitoring to reduce maintenance visits per year

Daikin on Site (chiller remote monitoring)

Daikin on Site is a cloud-based remote monitoring and control system for chiller plants and air-handling units. Using enhanced control, monitoring and measuring equipment, Daikin on Site provides near real-time data and support from Daikin experts to help you identify cost-saving opportunities. It also increases the lifetime of your unit and reduces the risk of unexpected issues, by helping to predict when breakdowns could occur. Available as a web-based application, users can log in to their account to see operational data and receive immediate insight from Daikin experts.

	Alerts and web access	Connected with Daikin maintenance
Every package offers 24/7 web access to Daikin on Site <ul style="list-style-type: none"> • User-friendly dashboards • Remote monitoring and control • Access to data points • View data trends • Online scheduling • Track energy usage (only available with energy meter) • Master-slave configuration (when applicable) 	✓	✓
Alarm notifications sent to customer	✓	✓
Reports	✓	✓
Remote support by Daikin experts during office hours		✓
Pre-diagnosis and proposed solution(s) by Daikin experts		✓
Expert analysis and advice to customer in evaluation report		✓

Material code	Description	Price exc. VAT	
UK.FS.DOS/INSTALL	Retrofit of DOS software + Commissioning	£340	Per connection
UK.FS.DOS/LICENCE	DOS licence 1 year from activation	£500	Per connection
UK.FS.DOS/MODEM	Modem with Ariel	£250	One off cost per chiller for modem installation

Contact your nearest region for your maintenance and Daikin on Site package:

Western and Midlands region:	01932 879278	Bristol@daikin.co.uk
Scotland and Northern Ireland region:	01932 879279	Glasgow@daikin.co.uk
Northern England and North Wales region:	01932 879284	Manchester@daikin.co.uk
London Eastern region:	01932 879274	Weybridge@daikin.co.uk

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin UK. Daikin UK has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin UK explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin UK.

