

CHECK SERVICE

Complete chemical analysis of the plant water



DESCRIPTION:

Chemical analysis service of heating and refrigeration liquid. It offers a detailed analysis and proposes the most suitable solution for solving problems as well as optimizing the energy consumption of the system.

HOW TO USE:

Take the samples according to the obligations of the UNI 8065/19, BS 7593/92, UNI 8364/07 standard or, if necessary, one or two bottles in several parts of the system and send them to FACOT CHEMICALS with the form attached to the package duly completed. The service will be provided by e-mail in about 2 weeks.

Frequency of mandatory checks according to UNI 8065:2019

- Table 17a - Parameters and sampling points for mandatory annual checks:

Type of system Analysis and controls	Summer and winter water air conditioning	Solar thermal	Domestic water production	Notes
	Pick-up point	Pick-up point	Pick-up point	
Aspect	C	C	At	
ph	C	C	At	
Total Hardness	R - C	Unsolicited	At	
Electrical conductivity	R - C	Unsolicited	At	
Chemical conditioning	C	C	At	In the case of solar thermal systems, the heat transfer fluid could perform both the antifreeze and chemical conditioning functions.
Frost protection	C	C	Unsolicited	Check to be carried out only if frost protection is present.

- Table 17b - Parameters and sampling points for checks in case of specific problems (e.g. corrosion) or for further investigations:

Type of system Analysis and controls	Summer and winter water air conditioning	Solar thermal	Domestic water production	Notes
	Pick-up point	Pick-up point	Pick-up point	
Iron	C	C	At	Not necessary for systems in which its presence is excluded.



Copper	C	C	At	Not necessary for systems in which its presence is excluded.
Aluminium	C	C	At	Not necessary for systems in which its presence is excluded.
Chlorides	R	Unsolicited	At	The check should only be carried out if the chloride content is suspected to be incompatible with the characteristics of the components of the system.
	C	Unsolicited	Unsolicited	The control of the system water is mandatory on an annual basis only if a softener is installed in the make-up circuit.
Microbiological parameters	Variable depending on the system characteristics	Unsolicited	Variable depending on the system characteristics	In the case of domestic water, the frequency and sampling points must be identified on the basis of a risk assessment carried out by qualified personnel following the indications of official documents (e.g. Guidelines for the control and prevention of legionellosis) where relevant.

Pickup Points:

A – Feed water upstream of any water treatment

R – Filling and/or replenishment water upstream of any water treatment

C – Circuit water

N.B. The minimum frequency with which the checks referred to in Table 17a are to be carried out once a year during periodic maintenance work. Table 17b shows the parameters and sampling points for the checks to be carried out in the event of specific problems (e.g. corrosion) or for investigations that have become necessary as a result of plant problems. For all types of systems, it is mandatory to create and keep updated a record sheet of the results of the checks carried out to be included in the system booklet.

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