

FREQUENCY OF OBLIGATORY CHECKS in accordance with UNI CTI 8065/89

SYSTEM TYPE	WATER HEATING	LOW PRESSURE STEAM (< 1 Bar)	SUPERHEATED WATER (< 180 °C)	SANITARY HOT WATER	NOTES
Appearance	2A-3A	1B-3B	2A-3B		
pH	3A	1B-3B	3B		
Total hardness	2B	1C	2C	1A	
Fixed residue		3A	3B		Can be replaced by measuring electrical conductivity
Electrical conductivity		3A	3B		
Iron	3A	1A-3A	3B		
Alkalinity		3C	3B		
Chemical conditioner	3A	3C	3C		If a chemical conditioner is envisaged for sanitary water production systems, check that the consumption is normal
Copper	3A	1A-3A	3B		To be ignored if there are no copper components
FREQUENCY OF ANALYSIS	SAMPLE POINTS 1) feed water, 2) filling water (top-up), 3) Boiler water FREQUENCY A) twice per year, B) Once a month, C) once every 15 days, D) Once per week				

N.B. As you can see sometimes problems overlap and only thorough chemical analysis is possible to determine the specific problem and subsequent resolution.

For this purpose the Technical Services Facot Chemicals is available for the first routine analysis and also for a more complete service called "Check Service" in which various parameters are determined, like for example the presence of metals, pH, alkaline reserve and whatever is necessary in order to solve the problem.

TREATMENT OF WATER IN PLANTS CIVIL USE HEAT

Ministerial Decree 192 of March 6 2009/DPR 59 of April 2, 2009 (Italian law)

Plant	Power	Water hardness	OBLIGATIONS
HEATING	$\geq 350 \text{ Kw}$	$\leq 15 \text{ }^\circ\text{f}$ $\geq 15 \text{ }^\circ\text{f}$	Filter + filming agent filter + softener + filming agent
HEATING	$\leq 100 \text{ Kw}$	$\geq 25 \text{ }^\circ\text{f}$	Chemical Conditioner (filming)
	$\geq 100 \leq 350 \text{ Kw}$	$\geq 25 \text{ }^\circ\text{f}$	Softener + filming agent
SANITARY	$\leq 100 \text{ Kw}$	$\geq 15 \text{ }^\circ\text{f}$	Food use chemical conditioner (polyphosphates)
	$\geq 100 \leq 350 \text{ Kw}$	$\geq 15 \text{ }^\circ\text{f}$	Softener