

## WHAT CONCERNS

- Stabilisation of hardness
- Dispersion of inconsistent inorganic and organic deposits
- Deoxygenation and passivation
- Correction of pH and alkalinity
- Formation of protective films
- Control of biological growth
- Frost protection
- Restoration of alkaline reserve in antifreeze products



## THE CHECK SERVICE

Is the chemical analysis of heating and cooling fluid. Provides a detailed analysis and offers the best solution for troubleshooting and optimizing the energy efficiency of the system.



Parameter	Unit of measure	Permitted limits Filling and top-up water	Permitted limits Filling and top-up water	Rif.
Appearance	Visual	Clear	Possibly clear	UNI CTI 8065/89 norm
pH	n.	/	> 7	
Electrical Conductivity - EC	$\mu\text{S}/\text{cm}$	< 1500	< 3500	
Fixed residue - TDS	ppm	< 1000	< 2000	
Total hardness	$^{\circ}\text{f}$	Between 10 and 15	Between 10 and 15	
Polyphosphates as P2O5	ppm	< 5	< 5	
Iron	ppm	< 0,2	< 0,5	
Copper	ppm	< 0,05	< 0,1	
Molybdenum	ppm	/	Within the concentration specified	
Alkaline Reserve	ppm	/	600 ÷ 800	
ORP - Redox Potential	mV	+100 ÷ +250	-100 ÷ +300	Facot inner rule
RH- Water Oxidizing Power	n.	20 ÷ 30	20 ÷ 30	
Aluminium	ppm	< 0,05	< 0,1	
Density	g/ml	In the presence of antifreeze	In the presence of antifreeze	
Freezing temperature	$^{\circ}\text{C}$	In the presence of antifreeze	In the presence of antifreezel	
Bacterial Load	UFC/ml	< 10 <sup>2</sup>	< 10 <sup>3</sup>	

Our laboratory tests and water values specified by UNI CTI 8065/89