

FLUIDS

MAINTENANCE, PROTECTION, CLEANING AND CIRCULATING FLUIDS



**FLUID
COOLERS**
FOR MACHINE
MANUFACTURERS

ISO 9001:2015
certified Quality
Management System

MADE IN ITALY



Euro Cold completes its offer of cooling solutions for manufacturers of machines and industrial systems, with a range of specific chemical products for the hydraulic circuits of water-cooling systems.

The skills and the experience gained by Euro Cold during its over 30 years of experience in the field are at your disposal. Our power is our ability to respond to the needs of mechanical and industrial systems' manufacturers which are rapidly and constantly changing.

Do not hesitate to contact us in order to provide you with the most adequate solution to your specific temperature control needs.

The increase in temperature and/or pressure, especially in the coldest areas of the circuit, causes calcium salts to precipitate, resulting in corrosion and deposits. In the multi-metal circuits, the electrical/chemical phenomenon adds to this chemical reaction, due to the difference in the electrical potential of metals in the oxygen diluted in the water. In multi-metal circuits, this chemical phenomenon is compounded by the formation of galvanic currents which, due to the different metals, form oxidation-reduction reactions and thus corrosion.

TO PREVENT **EUROCLEAN 1045**

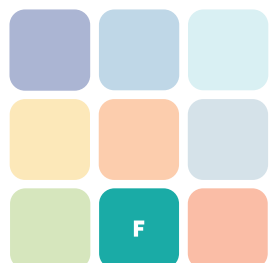
TO MAINTAIN **EUROTERM 131** **EUROGEL AL**

TO REGENERATE **EUROCLEAN 1250**

TO PREVENT AND MAINTAIN **EUROGREEN 132 NANO**

FEATURES

- Easy and ready-to-use, must not be diluted.
- Compatible with any metals and seals.
- Do not contain toxic substances harmful to the environment.
- Simplify machines maintenance.
- Reduce machine's malfunctions and downtime.



MAINTENANCE, PROTECTION, CLEANING AND CIRCULATING FLUIDS

FLUIDS

TO PREVENT EUROCLEAN 1045

A cleaning product for hydraulic circuits used to restore the ideal conditions of the machine prior to the installation of a new water-cooling unit. It removes the residuals left by the hydraulic circulation of the machine or the device, as a natural consequence of the tubes and fittings assembly.

We highly recommend its use in combination with Euroterm 131 in order to remove these likely biomasses, and also to prevent the degradation of the natural biocide contained in Euroterm 131, which prevents bacterial growth (algal formations).

Advantages

Prevents degradation of algal biocides contained in Euroterm 131. Does not contain any solvent. More than 90% biodegradability. Neutral pH, can be used without specific precautions.

Package: 25 kg tank

TO MAINTAIN EUROTERM 131

A circulating fluid for chillers that use water to remove heat. It is the most important product for cooling circuits of machines and is recommended by Euro Cold.

Advantages

Maintains the chemical and the metallurgical conditions of the hydraulic circuit. Prevents corrosion, encrustations, calcareous deposits. Prolongs the working life of the machine. Reduces repair and maintenance interventions. Weak odor and low environmental impact. Contains biocide agents that can prevent the formation of algae (in case of circuits contaminated by algae).

Usage notes

When the product is used as protection against the formation of algae, it is essential to clean the new circuit with our EUROCLEAN 1045 liquid; it is recommended its annual replacement. If the absence of algae is evident at the time of replacement, simply change the product. In the case of algae, it will be necessary to clean the circuit by washing with the EUROCLEAN 1250 liquid and rinsing with water before introducing the new EUROTERM 131.

Package: 25 kg tank

TO MAINTAIN EUROGEL AL

A circulation fluid for water chillers, recommended when a degree of purity for safe use in food is required in the additives.

Advantages

Non-toxic, with a degree of purity. Maintains chemical and metallurgical conditions of the hydraulic circuit. Prevents corrosion, encrustations, calcareous deposits. Prolongs the working life of the machine. Reduces repair and maintenance interventions. Weak odor and low environmental impact.

Package: 25 kg tank

TO REGENERATE EUROCLEAN 1250

A cleaning product used to regenerate hydraulic circuits, deteriorated during the functioning of the machine due to mainly ferrous deposits containing calcium.

Alterations and deteriorations of hydraulic circuits can provoke a poor performance of the cooling machine and frequent downtime.

Advantages

Strong degreaser, efficiently removes encrustations and deposits. Works as a cooling liquid during the functioning of the machine. Prevents long and expensive machine downtime. With Neutral pH, can be used without specific precautions.

Package: 25 kg tank

PREVENT AND MAINTAIN EUROGREEN 132 NANO

Ready-to-use coolant based on vegetable glycerol and nanoparticles for closed cooling systems. It is highly stable and offers advantages both in terms of sliding resistance within the system and from the perspective of thermal storage capacity, with a consequent reduction of the maintenance needs of the systems in which it is used.

It does not require the use of other products for cleaning the system. Eurogel It can be used in the food industry, as it is completely glycol-free. It offers protection against frost down to -20°C.

Advantages

Does not contain glycol and is therefore non-polluting. Improves air/liquid interchange, optimizing thermal efficiency. It is highly stable and keeps the circuit clean thanks to the presence of nanoparticles. Ready-to-use solution with corrosion inhibitor; no need for other cleaning products.

Package: 25 kg tank

NOTES

Recommended for water chillers, with working range between +5°C and +40°C, in standard conditions.

For use in special processes, please contact our offices.

Must not be used for direct cooling of laser sources.

In the majority of cases, EUROCLEAN and EUROTERM proved to be adequate in a wide range of machines.

However, we recommend you to verify the effective compatibility with the specific features of your machine before using it, according to the technical safety data sheets available in the DOWNLOAD area of our website.

ATTENTION: fluids must not be mixed together.

EURO COLD reserves the right to carry out modifications without prior notice.



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