

COOLFLUX 42

CoolFlux42 for cooling circuits

The innovative worry-free fluid.



CoolFlux42. Simply pour in and forget about it for ever!

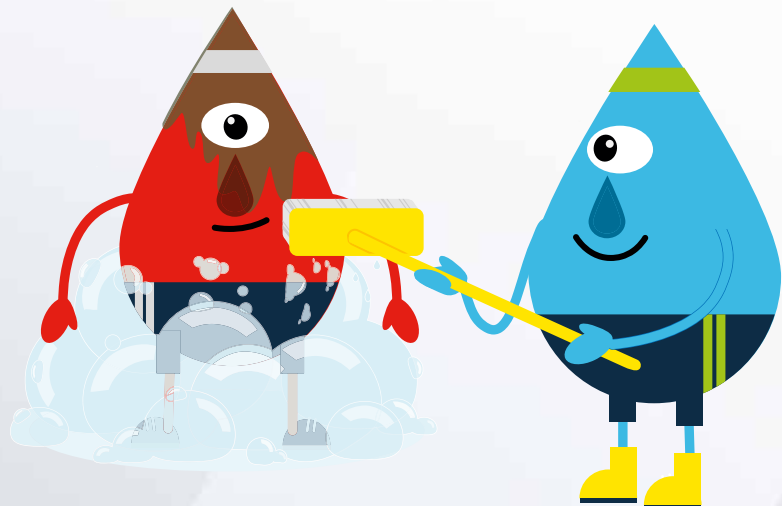
Many companies are overloaded with regularly checking and correspondingly caring for and maintaining their cooling circuits. There simply isn't enough time. Even cleaning efforts are rarely crowned with success, too often cooling lines are inaccessible. It's just a matter of time before contamination and algae formation block up the system. CoolFlux42 is the perfect alternative. Easy to use, robust in its effect.



The problem

Cooling circuits are complex systems that have to function flawlessly. Semi-open chillers are generally used for this purpose, the operating reliability thereof is based on a perfectly balanced coolant mixture consisting of distilled water and glycol. Fluctuations in the glycol concentration or the pH value will inevitably lead to biological loads on the system, causing the water filters to become contaminated, the cooling lines congested and/or control elements blocked.

The mechanical, manual cleaning of the chillers and cooling circuits is not only costly, but practically impossible to carry out, since the cooling circuits in the machines are only partially accessible, if indeed at all. Only intensive chemical cleaning – with alkalis, acids and neutralisers tailored to the specific application – will generate clean cooling circuits in a virtually „as-new“ condition. This also costs money, time and again and the whole production system has to be temporarily taken out of operation.



Other sources of error

- Coolant losses due to tool changes or the connection of new systems leads to a change in the concentration levels of glycol.
- PH value fluctuations induce a breakdown of sugar compounds in the system containing glycol, resulting in water filter adhesion.
- Coolant properties that have a corrosive or aggressive effect on the metals.
- And last but not least: If a lack of cooling water is detected, the system is often filled only with distilled water – and this certainly has to be quick. And thus begins the growth of bacteria or algae.

The consequences

Not regularly checking and carefully balancing the glycol content can lead to strong concentration fluctuations. A glycol content that is too low results in a massive build-up of algae in the cooling circuit system, leading to the blockage of the cooling water control system, for example.

Even a „wild material mix“ in the cooling system poses a problem: There is an acute risk of corrosion if the coolant comes into contact with different metals in the cooling circuit as a whole. The distilled water then fosters an exchange of ions – from higher to lower quality materials – resulting in deposit formation at undesirable locations, e.g. in capillaries or cooling channels.

The solution

CoolFlux42 is an innovative cooling fluid that solves many problems all at once. Biological loads are a thing of the past thanks to its constantly correct glycol content. It has also passed several tests for all common cooling system materials. Simply forget about containments on the interior pipe walls, biological smear films, bacterial growth and algae formation. Forget about limescale build-up and corrosion, clogged nozzles and valves, pressure losses due to cross-section constrictions, reduction of heat transfer, and so on and so forth ... All of this is history thanks to CoolFlux42.

The application

CoolFlux42 is a complete cooling fluid and replaces the coolant as a whole – to 100%. This means that it does not have to be mixed or added on-site. Once introduced into the previously emptied and cleaned cooling circuit, it ensures the long-term stability of the system – without any service expenditure or even operational stoppages. Cost effective and sustainable.



COOLFLUX 42

www.coolflux42.com

CoolFlux42. Our services at a glance

System analysis and consulting

Design of cooling systems

Cleaning of chillers and cooling circuits

Water analysis

CoolFlux42 cooling fluid

Chillers

Stamp of the dealer:

