

An effective coolant change in six steps

We will reveal how your customers can clean their coolant systems effectively and ensure better process security and a longer service life as a result.

We have compiled six essential steps that are not only easy to understand and implement, but also save money in the long term.

Step 2: Draining the coolant system

Once the system cleaning fluid has been given 8 to 24 hours to work, the coolant system can be drained. The emulsion containing the cleaning fluid can be siphoned off.

However, rinsing is the most decisive factor in a coolant change. The fresh rinsing emulsion (approx. 2 to 2.5%) doesn't just provide effective protection against corrosion — it removes even the toughest deposits of dirt and contaminants.

Thanks to its cleaning power, even the most stubborn dirt is removed effectively from pipes and the cleaning fluid is also flushed completely out of the machine. The duration of the rinsing process depends on the machine. The more carefully you approach the task, the clearer and more powerful the new emulsion is and the longer the service life.



Step 1: System cleaning fluid — the best preparation for a coolant change

We recommend using a system cleaning fluid and adding it to the existing emulsion until it makes up a proportion of 1.5 to 2 percent. This should be done at least 8 hours, or ideally, 24 hours prior to the coolant change.

In addition to absorbing machine oils, the system cleaning fluid eliminates unwanted germs and bacteria. Make sure that the fluid is added to the emulsion gradually to avoid the formation of foam.

Step 3: Cleaning

Now it's time to clean the coolant system. Whether this is done mechanically, manually with a cloth, or using pressure washers depends on the machine. Afterwards, the cleaning residues should also be removed from the system.

Step 4: Rinse, rinse, rinse — the key to an effective coolant change

Next it's time for the most important step of a coolant change: rinsing. In our experience, this is a process that is frequently neglected.

Step 5: Manual cleaning to finish

Once the machine has been thoroughly rinsed, the cleaning emulsion can be siphoned off. We recommend quickly wiping the machine down with a cloth.

Step 6: Refilling the coolant system

You can now refill the machine with fresh, new emulsion. Ideally, a mixing unit should be used so that a uniform emulsion is present in the coolant system, ensuring an optimal machine process.

A coolant change should never be rushed

An effective and efficient coolant change takes time. However, it's worth the effort as the new emulsion lasts considerably longer and works better when the machine is prepared for the coolant change with a system cleaning fluid, rinsed multiple times with the rinsing emulsion, and given a thorough manual clean to finish.

At Siebert, we would be happy to guide you through the process so that your customers get the maximum performance from their machines after a coolant change.