

Criteria for the application of foreign cleaning agents

In general, cleaning accelerators (cleaning agents, detergents) can be used with our low pressure hot cleaning devices. For this purpose, we offer a wide range of alkaline cleaning agents which have been tested extensively in our company and work optimally with our technology.

If you want to use other products, below we have listed some criteria that these cleaning agents should meet. Due to the variety and complexity of the cleaning agents available on the market, this can only be a non-binding orientation.

Please note that using third party cleaning agents will cause the loss of our warranty due to misuse for damages caused by wrong cleaning agents.



When using cleaning agents by third party providers (foreign cleaning agents, foreign detergents) please ensure that these are:



1. Alkaline – the pH-value of the solution applied must lie between 7.0 und 11.0;
2. High temperature resistant – the products will be heated to approx. 95°C in the flow heaters;
3. Non-ferrous metal inhibited, i.e. they contain protective additives for non-ferrous metals, as some of the components of our devices such as the pump rotor disk and various fittings contain brass;
4. Do not attack chromated parts;
5. Contain a temporary anti-corrosion protection, depending upon the specific task;
6. Do not foam;
7. Have a demulsifying effect. Otherwise, by using such cleaning agents, oil is bound in the cleaning water (emulsified) which leads to the following problems:
 - a. The oil separator concept in the collector of the 1000 SR does not work any more.
 - b. The fine filter cartridges are clogged extremely quickly.
 - c. The device tank is soiled very quickly.

The total contents in the device resp. the concentration of the cleaning agents can vary due to evaporation, filling, and splashing. We therefore recommend to check the pH-value on a regular basis resp. at the latest after each refill.

Too high a chemical concentration can lead to the destruction of components in the device and will cause the loss of our warranty due to misuse.



The following products must not be used:



1. Demineralized, distilled, or deionized water
2. Cleaning agents causing a blue coloration on brass
3. Inflammable fluids. Spraying these may result in fire, resp. an explosive air mixture can be produced!
4. Cleaning agents which release the gas hydrogen as a reaction product with aluminum.

Special water qualities which dissolve zinc, cast iron or brass will lead to the destruction of components in the device and cause the loss of our warranty due to misuse.

