



The selection and dosing of agents as well as the required cleaning equipment will be determined individually

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Wet chemical cleaning



> **BUCHEN EnergyServices GmbH**

Specialist for industrial services
for conventional power plants
and incineration plants

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Neutralisation method

The wet chemical cleaning method is used for the removal of obstinate fouling or residual corrosion following the wet cleaning of facilities.

The chemical cleaning is mainly used in certain areas of power plants, waste incineration plants and boiler plants of chemical, food and industrial companies (refineries). This means areas where the material/fouling constellation calls for this cleaning method, or if this method produces better cleaning results, especially in areas and plants which are difficult to access. In these cases, the primarily used method is Cleaning-in-Place (CIP). With this cleaning method, the plant is cleaned, without major disassembly requirements, through the targeted use of cleaning agents, pressure and temperature levels (circulation flushing). Very good cleaning results are obtained, for example, in combustion chambers, superheaters, convection zones, vessels, piping and valves.

Individual composition

As with other cleaning methods, an on-site inspection is also a necessity here. A sample of the residues should be provided, in order to find out which chemicals can be used. This sample will then be used to carry out dissolution tests in our own laboratory. In this way, the composition of the cleaning solution can be determined for optimum results.

Acidic cleaning solutions

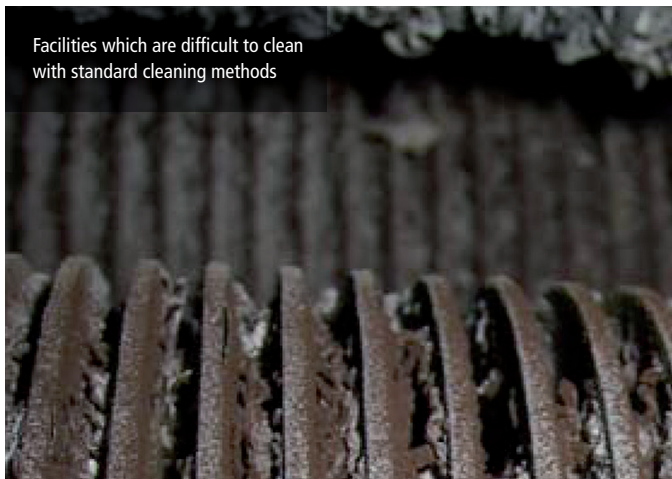
We generally utilize acidic cleaning solutions from a range of suitable and proven chemicals. Of course, the acid concentration in the cleaning solution is measured and monitored continuously. Once the acidic cleaning has been completed, the acidic solution is neutralized using a circulation method. After the neutralization, the previously treated surfaces will be flushed in a final step.

If required, we can offer you a compression of the sludge or slurry to reduce the waste amounts to be disposed of. Feel free to contact us!

> Your advantages at a glance

- Less dust development compared to other cleaning methods, such as sandblasting/dry cleaning
- Lower amount of residues
Through this, it is possible to lower the waste disposal effort and your costs
- Material-friendly cleaning method, since it is less abrasive
- Better cleaning of areas which are difficult to access

Facilities which are difficult to clean with standard cleaning methods



With the wet chemical cleaning method, deposits are even removed from narrow gaps

