METAL WORKING INDUSTRY

# FILTER CLEANING

## REQUIREMENTS

A large number of filters are used in industry for a wide variety of applications: air filters, oil filters and hydraulic oil filters, grease filters, soot filters, mesh filters, expanded metal filters, electrostatic filters, fabric filters, baffle separators, lamella separators, demisters and stainless steel demisters, expanded metal mesh filters, and other filters up to and including air conditioning systems.

What they all have in common is that cleaning is often particularly challenging thanks to the complex and sometimes delicate surfaces on the one hand, and the usually very oily and stubborn deposits on the other.

Washing machines often do not reach the inner zones, and high-pressure cleaners would destroy the filigree surfaces. Many companies therefore outsource this task to third parties.

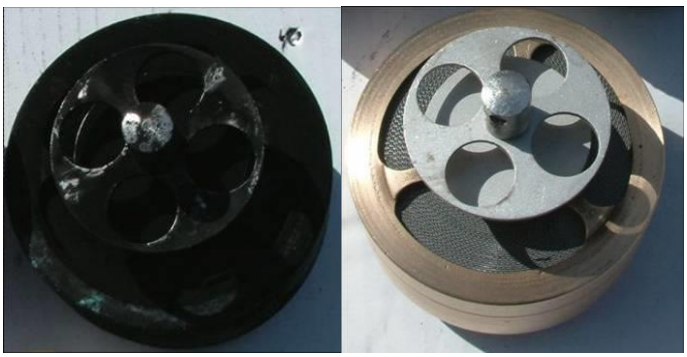
## OUR SOLUTION: CLEANING WITH LOW PRESSURE HOT-CLEANING TECHNIQUE

The low-pressure hot cleaning devices by ph-cleantec are a perfect solution for cleaning filters contaminated with oils and dusts. The process is extremely fast and efficient:

Thanks to the high water temperature of up to 95°, oily contaminants are loosened particularly quickly and rinsed out and flushed away without any problems due to the low pressure of 7.5 to 14 bar, without damaging the filters. Splash-back effects are prevented by appropriate protective caps on the spray tool.

With the help of various nozzles, even demanding surfaces, e.g. the typical grids of the air filters, can be cleaned effortlessly. This also applies to sensitive components in the interior, such as the tungsten filaments of electrostats. Even quadruple-folded filters can be cleaned efficiently after soaking them briefly, if necessary with the addition of an alkaline cleaner.

Oil filter: Left crudely cleaned, right uncleaned



Soot filter of a fork lift – before and after

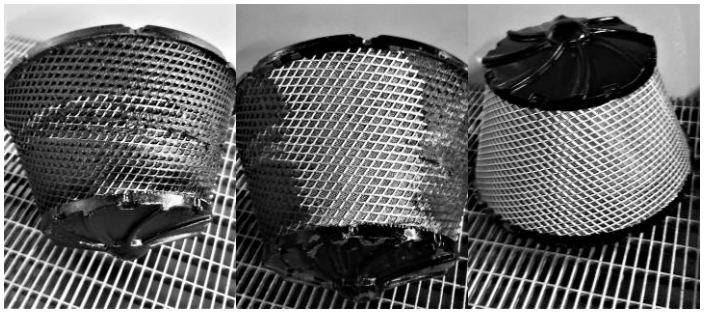
Using the devices in the workshop is no problem: there are no clouds of droplets and no aerosols, neither staff nor the environment are affected.

Alkaline cleaning agents can be added, but then only small quantities are required, so that the costs for chemicals - if any - are kept within narrow limits.

The devices of the SR family are suitable for filter cleaning, combined with the corresponding nozzles. The units are mobile and self-sufficient, and are therefore ideal if the filters are distributed over a large workshop, such as air filters of air-conditioning systems or grease filters in production halls with several machine tools.

## SEE ALSO

There are some excellent videos on our website - please click on the red "Video" button at the top right and watch the videos Parts Cleaning, Filter Cleaning, Grease Filter Cleaning and Filter Cleaning Parts Cleaning.



Conical filter in parts cleaning plane of a 1000 SR.
More time was spent photographing than cleaning, see video Filter Cleaning Partial Cleaning

## YOUR ADVANTAGES

- Efficiency/quality: Fast and thorough cleaning, due to the high working temperature of up to 95°C, especially for oily and dusty contaminations.
- No damage: Thanks to the low pressure, even delicate parts such as the tungsten filaments in electrostats can be cleaned.
- Mobility: Devices are self-sufficient and can be moved from machine to machine and thus from filter to filter within the workshop.
- Environment/chemistry: Very few chemicals, if any, are needed; this protects the environment, increases occupational safety and reduces costs.
- Cost-effectiveness: Significantly less working time for cleaning, as well as for travel and reloading times; less chemicals; depending on the type and number of filters, even on a full-cost basis cheaper than third-party suppliers.

Grease filter in collector of 1000 SR
front full of oil and grease, back cleaned

- You want to calculate this for your company? Then please go to the amortisation calculator on our website.
- Overall: Comparatively low investment, hardly any running costs, high efficiency and top quality.