

CLEANING SOOT FILTERS IN FORK LIFTS

REQUIREMENTS

Diesel-powered forklift trucks have soot filters to minimise the emission of respirable carbon (soot) in the factory hall, which are mounted at the end of the exhaust systems. These protect the employees from soot particles in their respiratory tracts, and at the same time also serve the environment and cleanliness in production.

The soot filters should ideally be cleaned in the forklift workshop. A high flushing performance is required right into the fine filter mesh.

Given the high cost of these filters, replacement is often not practical. Typically, the soot filters are therefore cleaned with a lot of chemicals on cold wash tables and then blown off with compressed air. Better, but also considerably more expensive, would be burning off in appropriate combustion chambers.

OUR SOLUTION

The low-pressure hot cleaning units of the 1000 series are an ideal and cost-effective solution: With a low pressure of only 7.5 bar, the required flushing performance is ensured without damaging or even destroying sensitive components such as the filter fabric. At the same time, the high temperatures of 95°C achieve a maximum cleaning effect, so that work can be done quickly and efficiently.

- Fast and efficient work - considerable time savings and significantly better quality compared to manual cleaning on a cold wash table.
- Nonetheless, excellent cleaning results due to high temperature of up to 95°C.
- No damage to sensitive parts due to low pressure of 3 - 7.5 bar.
- Low investment, low operating costs.

Soot filter of a fork lift



Soot filter uncleaned



Soot filter after cleaning and polishing of the brass cage with polishing linen

YOUR ADVANTAGES

- Efficiency/quality: High temperature and sufficient pressure enable fast and thorough cleaning in minutes. Significant time savings as a result.
- Minimal space requirement: Devices are self-sufficient and require very little space; no separate washrooms needed.
- Minimal splash-back effects, no clouds of droplets, no aerosols, thus ideal in the workshop.
- Devices can be used universally, and are ideal for cleaning all types of parts.
- Cleaning medium: Hot water without additives or with minimal addition of chemicals. Therefore minimal costs for procurement and disposal. Cleaning medium can be reused multiple times.
- Considerably more pleasant, faster and more efficient work than by hand.
- Occupational safety and environmental protection: No chemicals means improved environmental compatibility, higher occupational safety and significantly lower costs.
- In summary: Very low investment, minimal space requirements, hardly any operating costs, combined with high efficiency and excellent quality.