

Wärtsilä Delta cleaner



The Wärtsilä Delta cleaner is a safe, economical and flexible solution for charge air cooler cleaning for marine and power plant engines. Because the cooler remains attached to the engine during the cleaning process, the solution brings a significant reduction in man hours spent on servicing, improves engine fuel efficiency by allowing for more frequent cooler cleaning and eliminates the risk of damage to the cooler.

FAST, EFFICIENT AND TROUBLE-FREE CHARGE AIR CLEANING

Compared to traditional cleaning where the charge air cooler has to be removed from the engine, the Wärtsilä Delta cleaner allows the cooler to be cleaned while still in place, allowing for much more frequent cleaning. This helps to maintain the differential pressure (Delta-P) at an optimal level, leading to lower specific fuel oil consumption (SFOC).

With no need to remove the cooler for cleaning, there is no risk of damage during removal or transportation. The cooler is cleaned by injecting foam generated in the cleaning unit. The foam is fed into the cooler via pipes and hoses, penetrating from the inside out. After passing through the cooler fins, the foam turns into a watery liquid that then drains out of the cooler housing. The process takes approximately one hour per cooler.

DELIVERY SCOPE

Because the Wärtsilä Delta cleaner requires modification of the original charge air cooler design, it is only available for coolers originally supplied by Wärtsilä.

The standard delivery includes the following:

- Wärtsilä Delta cleaner unit
- Washing chemicals
- Cooler and cooler-housing modifications
- Valves and hoses
- Commissioning
- Operating manual with spare-part numbers

KEY BENEFITS

- Reduced engine downtime with faster, easier cooler cleaning
- No risk of cooler damage during removal, transportation or cleaning
- Reduced SFOC
- Differential pressure (Delta-P) is kept at an optimal level
- Increased cooler lifetime



Mobile Wärtsilä Delta cleaner unit