

FC 900LS

COMBUSTION IMPROVER, SOOT REDUCER & DEPOSIT MODIFIER
FOR BOILERS USING LOW SULPHUR FUEL OIL No3

DESCRIPTION

FC 900LS comprises new generation organometallic combustion catalysts, smoke reducers, settling modifiers and special detergents ideal for boilers that use low sulfur fuel oil with high vanadium and asphaltenes content. **FC 900LS** is fully compatible with the fuel and by adding the appropriate dosage, we achieve increased combustion efficiency, reduction of soot, reduction of unburned particles and exhaust gases, drastic reduction of deposits, protection against high and low temperature corrosion, as well as reduction of fuel consumption.

APPLICATION & USE

By using organometallic catalysts we achieve optimization of the combustion reaction both kinetically (increase in speed) and quantitatively (increase in the effectiveness of combustion, with complete combustion of the fuel-air mixture), thus improving the coefficient λ , increasing efficiency of combustion and reducing the formed deposits leading to better heat transfer. The combined action of organometallic catalysts and smoke reducers results in the reduction of soot by 2-4 degrees on the bacharah scale, the reduction of unburned particles by 70-80% and the minimization of exhaust emissions. Also the combination of combustion catalysts and sediment modifiers, results in the minimization of the formation of sediments but also in the gradual removal of the existing ones. By modifying and removing the vanadium deposits and preventing their formation, **FC 900LS** protects the boiler from high temperature corrosion. In addition, it helps the reduction of the produced sulfur trioxide and therefore provides protection from acid corrosion (low temperature corrosion). Finally, the special detergents keeps the spray nozzles clean and improves spraying, contributing to better combustion and increased efficiency (a larger fuel surface is available to react with oxygen). The result of the above is the reduction of the specific consumption (1.2 - 3.0%) and the reduction of the maintenance cost of the boiler.

To achieve optimal mixing, it is recommended to add **FC 900LS** to the fuel by using a dosing pump and usually inserted into the discharge pump of the burners. Alternatively it can be added to the fuel tank before bunkering. The dosage ranges from 1 liter of FC 900LS to 2000 up to 4000 liters of fuel and depends on the quality of the fuel and the condition and operation of the boiler.

PACKAGING

FC 900LS is available in 25 ltr pails and 208 ltr drums.

- ✓ Drastically improves the combustion of fuel in boilers, significantly increasing efficiency (reducing specific consumption)
- ✓ Reduces soot/smoke by 2-4 degrees on the bacharah scale
- ✓ Minimizes emissions of unburned particles and exhaust gases
- ✓ Effectively reduces deposit formation and gradually removes the existing ones
- ✓ Protects against high and low temperature corrosion

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