

FC 950M

COMBUSTION IMPROVER, SOOT REDUCER AND DEPOSIT MODIFIER
FOR BOILERS OPERATING WITH HEAVY FUEL OIL No3

DESCRIPTION

FC 950M contains new generation organometallic combustion catalysts, smoke reducers, settling modifiers and special cleaners ideal for boilers that use heavy fuel oil No. 3 with high contents of vanadium, sulfur and asphaltene. **FC 950M** is fully compatible with fuel and by adding the appropriate dosage we achieve an increase in combustion efficiency, reduction of soot, reduction of unburned particles and exhaust gases, drastic reduction of deposits, protection against corrosion of high and low temperature, as well as reduction in fuel consumption.

APPLICATION & USE

With the organometallic catalysts comprised in **FC 950M**, optimization of the combustion reaction is achieved both kinetically (increase in speed) and quantitatively (increase in the effectiveness of combustion, with complete combustion of the fuel-air mixture), resulting in an improved coefficient λ , increased efficiency of combustion and the reduction of the formed deposits which leads overall 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 in **FC 950M**, result in the decreased formation of sediments but also the gradual removal of the existing ones. By modifying and removing vanadium deposits and by preventing their formation, **FC 950M** protects the boiler from high temperature corrosion. Also it reduces the produced sulfur trioxide and therefore provide protection from acid corrosion (low temperature corrosion). Finally, the contained detergents keep the spraying nozzles clean and improve the spraying effect, contributing to better combustion and increased efficiency (a larger fuel surface is available to react with oxygen). The result of all the above is the reduction of the specific consumption (1.2 - 2.0%) and of the maintenance cost. To achieve optimal mixing, it is recommended that **FC 950M** be added to the fuel using a dosing pump and usually inserted into the discharge pump of the burner. Alternatively it can be added to the fuel tank before refueling. The dosage of the additive is 1 liter **FC 950M** to 2000 up to 3500 liters of fuel and depends on the quality of the fuel and the condition of the boiler.

PACKAGING

FC 950M is available in 25 ltr pails and 208 ltr drums.

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

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