

# **SUPERFLAME-30**

Fireside Treatment Chemical  
Fuel Oil Additive



## **FOR ALL FUEL**

BAGASSE, PITH, RICE HUSK, WOOD & WOOD SHAVINGS,  
STRAW, MUSTARD HUSK, COAL, LIGNITE, AGRICULTURE WASTES,  
RUBBER, COCONUT HUSK, GROUNDNUT SHELL, COTTON STALK  
AND  
COFFEE WASTE, LIGHT & HEAVY OILS, GAS, DIESEL, KEROSENE

## **FOR ALL APPLICATION**

BOILERS, THERMOPACKS, FURNACES,  
OIL HEATERS, COILS, FLUNKIES AND ECONOMIZERS

**SAVE FUEL AND ENVIRONMENT  
THE SUPERFLAME-30 WAY**

## HISTORY OF COMBUSTION

All fuels either solid or liquid associate carbon and it breaks away as free carbon when burnt, it is very difficult to burn or pass away these carbon particles, however some passes away as black smock. This incomplete combustion results deposition called soot. This soot over heats surfaces. Ash is the part of solid fuels and can't be burn. These ash particles melt and stick on the furnace walls & tubes called slag.

No matter what type of fuel is used (gas, liquid or solid) deposition of unburnt carbon, ash, soot and slag etc. on the fireside of the furnace will results the formation of scales, which acts as an insulator, thereby reduction the boiler heat efficiency. As much as 1/8" (3.2 mm) of soot can build up in only two weeks, and this thickness of soot will reduce the over all efficiency of boiler by 5% and **WASTES** heating **RUPEES**.

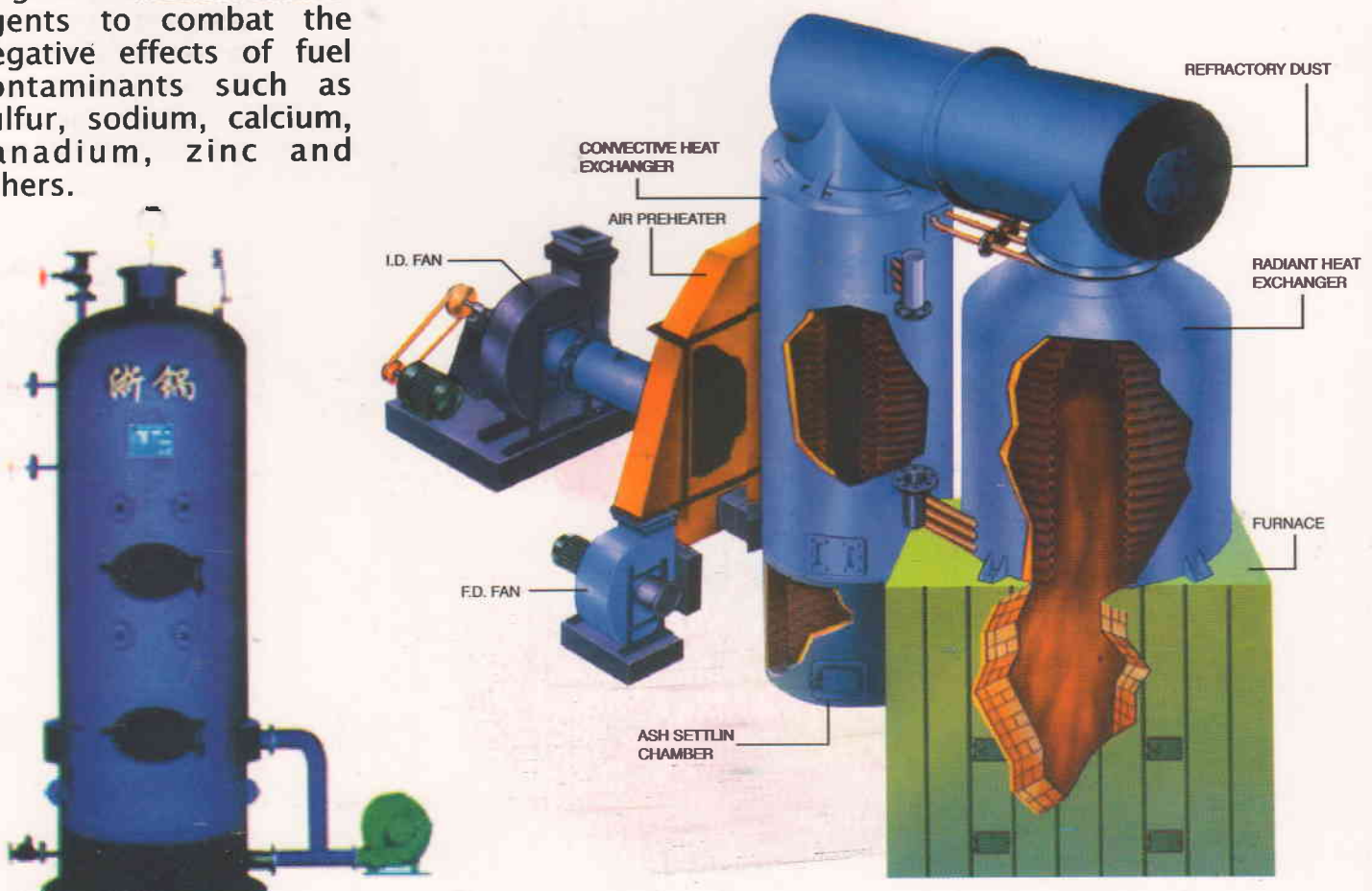
The presence of corrosive gasses like  $SO_2$  (sulfur dioxide),  $SO_3$  (sulfur trioxide), ammonium bisulfate (ABS) pose severe corrosion problem in combustion units.

## WE

With our full spectrum of fuel additives and extensive fireside experience, we can customize a solution for any combustion-related issue. From recovery & hog fuel slugging and corrosion, to stack opacity and fuel system problems, we can assure you of optimum fuel performance.

## PRODUCT ACTION

**SUPERFLAME-30** is designed for prevention of fire deposits on all type of boilers, thermo-packs, furnaces, tubes, heaters, flunkies and economizers etc. It is formulated to keep the furnace clean from soot, clinker, fouling and corrosion. **SUPERFLAME-30** has a number of slag and corrosion control agents to combat the negative effects of fuel contaminants such as sulfur, sodium, calcium, vanadium, zinc and others.





## 9- WAYS OF PRODUCT BENEFIT

- 1) Controls fireside deposits and corrosion.
- 2) Cuts fuel cost significantly.
- 3) Increases life of equipment.
- 5) No pollution.
- 6) No harmful effect on metals.
- 7) Reduces acid based emissions.
- 8) Reduces maintenance cost and down time.
- 9) Reduces furnace exit gas temperature.



### APPLICATION

**SUPERFLAME-30** is applied directly on the fire tube utilising any suitable access point. It is important to ensure contact firing of the boiler for minimum period of one hour before and also after dosing of the chemical.



### RECOMMENDED DOSAGE

Dosage of **SUPERFLAME-30** is based on the type of fuel employed for boiler, thermopacks or any furnace etc.

1. Furnace burning of liquid fuels like kerosene, diesel and other light/heavy fuel oils, general dosage are 100-200 gms. per ton of fuel. The general frequency of dosage is twice in a day.

2. Furnace burning of solid fuel like coals, rice husk, wood & wood shavings and rubber etc. general dosage are 200-250 gms. per ton of fuel. the general frequency of dosage is thrice in a day.

3. Furnace burning of solid fuel like mustard husk and bagasse, general dosage are 300-350 gms. per ton of fuel. The general frequency of dosage is thrice in a day.

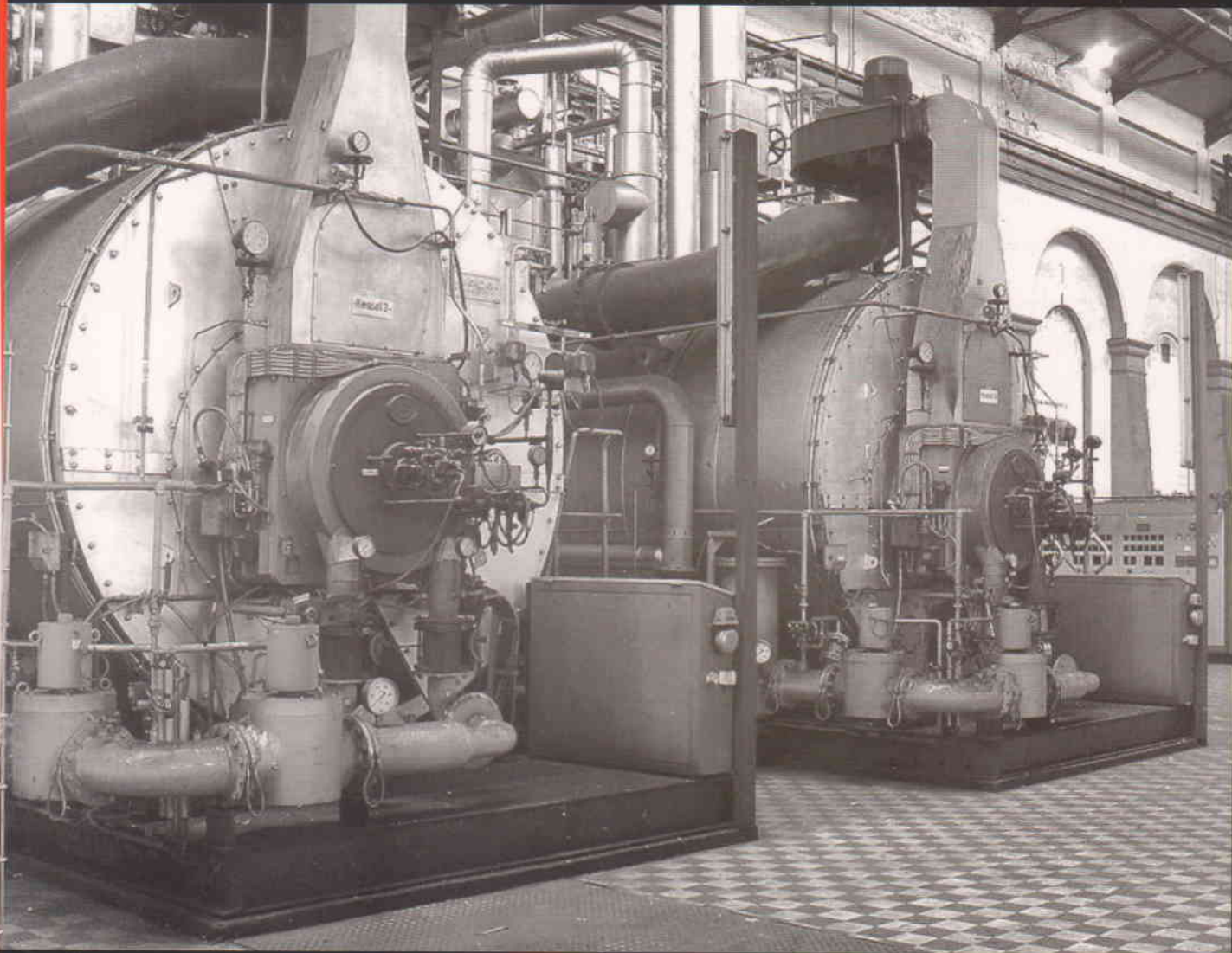


## IMPORTANT

After Application of **SUPERFLAME-30** for few days, cleaning will be found to be much easier, hard scale deposits are loosed and may be removed very easily.

## EASY AVAILABILITY

**SUPERFLAME-30** is available in various grades in liquid and powder form for multiple applications. To suit for a specific utility, custom made **SUPERFLAME-30** is also available.



Information in this publication are given to the best of our knowledge, and may be amended without notice.



## CLEAN CHEM & ENGINEERS

### Postal Address

770/7, Zaidi Nagar Society  
Shergarhi Road  
Meerut-250 002 (India)

### Regd. Office

136/356, Manzoor Nagar  
Hapur Road  
Meerut-250 002 (India)

Tel. : ++91 121 2701746, 3200386

Fax : ++91 121 2701506

e-mail : [cleanchem@rediffmail.com](mailto:cleanchem@rediffmail.com)

YOUR LOCAL BUSINESS ASSOCIATE

