

SOOT CLEANER

DESCRIPTION:

Soot Cleaner is formulated for effective prevention of soot and firescale deposits from boilers and diesel engine exhaust systems.

FEATURES

For the prevention of soot and firescale deposits in diesel engine and boiler exhaust systems.
For reduction of cold-end corrosion where surface temperatures are lower than the dew point of the exhaust gases.
Aids soot blowing

BENEFITS:

Saves you cleaning time by reducing soot and slag deposit.
Reduced cold-end corrosion reduces your need for maintenance.

Saves you money by improving heat transfer and boiler efficiency.

Helps to keep exhaust gas system clean while slow steaming and will also reduce cold end corrosion.

If firescale is allowed to form on heat exchangers, the loss of efficiency can be directly related to extra fuel consumption. A 1 mm deposit is approximately equivalent to a 10% efficiency loss, a 3 mm deposit can reduce efficiency by up to 50%.

The normal ignition temperature of soot is around 600°C. This means that it is burned only in the hottest parts of the boiler or diesel exhaust systems. Due to the catalytic action of Soot Remover Liquid, the ignition temperature of the soot/firescale is reduced down to 200°C. The carbon deposits are thus ignited, leaving an easily removable ash.

The use of Soot Remover Liquid not only provides greater fuel efficiency, but also prevents acid formation in areas where severe corrosion could result in expensive damage, i.e. heat exchangers, superheaters, economisers, exhaust paths/stacks.

SOOT CLEANER

Removes shoot/carbon deposits on fire side.

PRODUCT CHARACTERISTICS:

Colour:	Clear blue
Density:	1.12
pH :	6
Solubility in water:	100%
Flash Point:	Not applicable

Accessories

Product name

AUT .DOSING UNIT FOR SOOT CLEANER

MANUAL DOSING UNIT F/SRL

Directions for use

Dosage and control

Soot Remover Liquid should be introduced to the boiler through a suitable port, preferably with an injector, ensuring that the liquid is spread through the flame path toward the back of the combustion chamber.

For Diesel engines, inject Soot Cleaner directly into the exhaust system upstream of the area to be treated.

Steam Raised (tons/hr)	Boiler fuel (tons/day)	Dose rate (Ltr/day)
Boiler		
3	5.5	1.0
6	11	2.0
9	16	3.0
12	21	3.5
15	27	4.0
23	41	4.5
31	55	5.0
46	82	5.5
62	110	6.5
Fuel Consumption (Tons/Day)		Dose Rate (Ltr/Day)
Diesel Engines		
10		1.5
20		3.0
30		3.5
40		4.0
50		4.5
60		5.0
70		5.0
80		5.7
90		5.7
100		6.1
100-125		6.4
125-150		7.0
150-200		7.7
200+		8.3