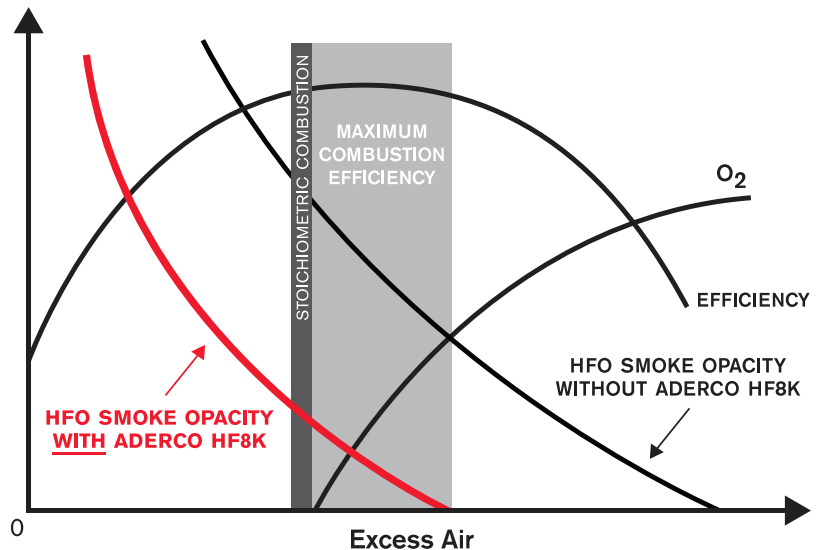


ADERCO HF8K / COMBUSTION IMPROVER



ADERCO HF8K fuel treatment is a unique combustion improver specially developed to overcome problems related to low quality fuels and poor combustion in industrial boilers. The product is actually a balanced blend between the ADERCO 2050 surfactant and the ADERCO F1820 organo-iron additive, giving you the advantage of both products simultaneously. **ADERCO HF8K** effectively tackles problems such as black smoke, high excess air, low efficiency rate and carbon fouling. It is an easy and cost effective solution to environmental regulations.

EXCESS AIR VS SMOKE OPACITY AND EFFICIENCY



ADERCO HF8K



ADERCO HF8K advantages

- Minimise black smoke and particulate emissions
- Maximise boiler efficiency
- Reduces carbon fouling
- Improves atomisation and combustion
- Disperses asphaltene agglomerations
- Keeps fuel tanks clean
- Avoids fuel incompatibility and stratification
- Stable, no suspended solids
- No dosage devices required (just mix directly with the fuel)

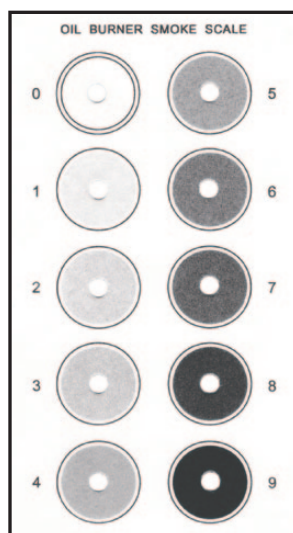
Excess air and boiler efficiency

Boilers of all kinds require a determined quantity of air in order to approach complete combustion as much as possible. An insufficient amount of air is usually characterized by higher boiler efficiency, but also by the appearance of black smoke, carbon fouling and CO, which are products of incomplete combustion. On the other hand, an excessive amount of air cools down the flame, lowering boiler efficiency and increasing fuel consumption. Precise boiler adjustment is required to avoid loss of heat and loss of efficiency, while remaining within enforced environmental limits. Depending on the fuel source, this task can be very hard to achieve, sometimes it is impossible to meet environmental regulations without cutting down drastically on efficiency.

The Aderco solution

ADERCO HF8K is a fuel homogeniser and combustion improver, combining the effect of a top quality surfactant with an iron catalyst. The product breaks down asphaltene agglomerations while lowering the self ignition temperature of carbon particles. The aim is to ensure complete combustion of carbon particles by combining two different approaches. As a result, particulate emissions, black smoke, carbon fouling and CO production are significantly reduced, offering the opportunity to reduce the excess air and to regain lost efficiency while staying within environmental boundaries.

ADERCO HF8K SPECIFICATIONS	
Appearance	Black liquid
Iron content	15%
Flash Point	> 62°C
Initial Boiling Point	> 160°C
Pour Point	- 20°C
Specific Gravity	1.08 g/ml
Viscosity @ 40°C	70 cSt
Non-hazardous	Non-restricted for transport



OIL BURNER SMOKE SCALE

ADERCO HF8K can effectively reduce smoke opacity from index number 9 down to number 2 in one simple application.



(Head Office)
America

ADERCO Inc.

3080, boul. Le Carefour
Suite 603
Laval, (Québec) H7T 2R5
CANADA
Tel.: +1 450-988-4100
Fax: +1 450-988-4110
Email: info@aderco.com

(International Divisions)
Europe

ADERCO Europe S.A.

Chaussée de Louvain 275
1410 Waterloo
BELGIUM
Tel.: +32 2 354.46.72
Fax: +32 2 354.54.10
Email: info@adercosa.be

South America

ADERCO do Brasil

Rua Conselheiro Zacarias, 344
CEP 01429-020 - Jd. Paulista
São Paulo - SP
BRASIL
Tel.: +55 11 3791 9096
Fax: +55 11 3791 9097
Email: aderco@aderco.com.br

Asia

ADERCO Asia

Singapore Land tower
37th floor, 50 Raffles Place
Singapore 048623
SINGAPORE
Tel.: +65 6829-7059
Fax: +65 6829-7070
Email: info@adercoasia.com