



COMBUSTION CONTROL Ltd

The Combustion Engineers for Gas, Oil and LPG

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ULTRASPRAY

Industrial Fireside Cleaning Concentrate & Protection



**Improving Heat Transfer
Efficiency at the Least Cost**

U L T R A S P R A Y

ULTRASPRAY

Industrial Boiler Tube Cleaning Plus Protectant

ULTRASPRAY

Cleans....

- Fire tubes
- Watertubes
- Cast Iron Sectional Boilers



A chemical specially formulated
For cleaning and corrosion proofing
All types of boiler.

A preventive chemical. It helps
Alleviate the dangerous condition
Where sulphur deposits in fireside
Scale can combine with moisture
And actually etch into metal
surfaces

Able to penetrate and soften hard
fireside Crust, to ease the task of
scale removal.

A chemical that cleans down to
bare metal and provides a proven
form of maintenance, all in one.
Suitable for oil (all grades), coal
Or gas fired boilers.

The Advantages are Incredible...

- Harmless to metal surfaces.
- Will not damage boiler tubes
- The alkaline content neutralizes the acid compound found on boiler heating surfaces and causes the scale to loosen from the tubes without roughing and scratching associated with mechanical cleaning.



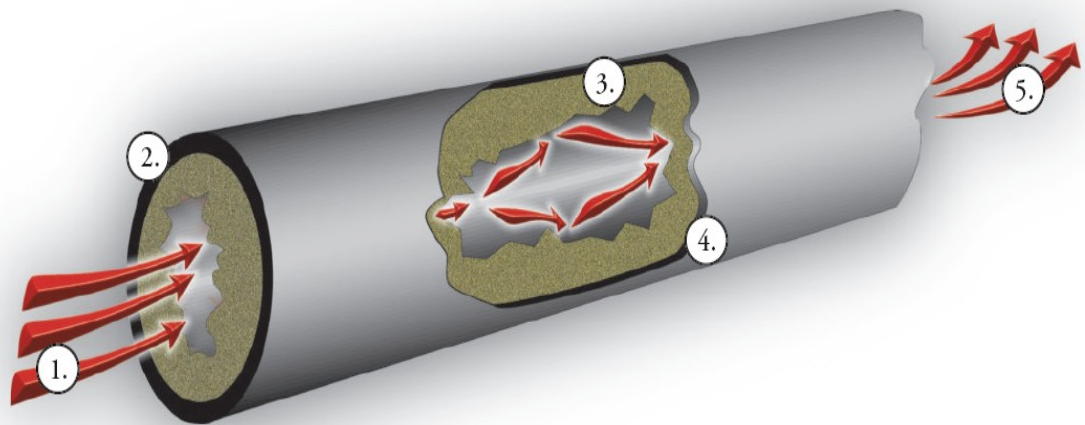
- Will penetrate areas that are not accessible with brushes or reamers.
- Eliminates mechanical reamers that damage tubes.
- Leaves a thin film of corrosion inhibiting chemical on the surface of the boiler tubes.
- Can be used with Ultraspray applicator or the sprayer of your choice.

U L T R A S P R A Y

ULTRASPRAY

Gives Continuous Return On Your Dollars

- UltraSpray is a minimum down time system, combined with cost effectiveness. Once the initial scale has been removed, future cleaning can be accomplished in much less time.
- Future cleaning can be done with minimum effort will protecting the tubes.
- Will substantially improve work conditions for personnel who perform this job.
- Will clean to the bare metal and provide a proven form of maintenance all in one operation.



1. Hot gases enter the firetubes of a boiler
2. Heat should effectively transfer through boiler tubes and into water.
3. Fireside scales acts as an insulator and prevents the efficient transfer of heat from fireside to waterside.
4. Unable to penetrate the fireside scale, the hot gases of combustion pass through the tubes and continue out of the boiler to the smokestack.
5. Excess heat wasted through the smokestack, result in
 - Increased smokestack temperature
 - Decreased fuel consumption
 - Increased potential for tube failure due to corrosion of fireside scale.

U L T R A S P R A Y

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ULTRASPRAY is a concentrated liquid, supplied small or large containers. Before using, the user dilutes it with water, according to instructions, and then sprays it into the boil tubes of firetube boilers or on the outside surface of the tubes in watertube boilers.

It is easiest to apply with the ULTRASPRAY applicator which comes with convent lengths of hose and extension tubes and the proper nozzle for even application in the correct amount. The procedure is simple.

Dilute the ULTRASPRAY concentrate and spray it into the boiler according to instructions furnished.

Allow the ULTRASPRAY solution to penetrate the crust for 15 to 30 minutes. Then, start boiler and run for thirty minutes; the heat will facilitate the softening of encrustations. Push of the softened crust with a brush. Repeat steps for server build up.

Spray a final coat of ULTRASPRAY for corrosion protection.

Re-apply ULTRASPRAY as



Benefits

- Makes it easy to reach any spot in the boiler.
- Convenient, easy to use
- Corrosion-proof
- Lightweight, easy to carry.
- Economical
- Sprays the correct amount without waste

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