

GENERAL DESCRIPTION

All Fuels(Liquid Or Solid) Associate Carbon And It Breaks Away As Free Carbon When Burn. It Is Very Difficult To Burn Or Pass Away These Carbon Particles. This Incomplete Combustion Results Carbon Deposition, Over Fireside Of Boiler Tubes, Called Soot. Deposits In The Tubes Of Boiler Will Do More Than Reduce Operating Efficiency; They Will Also Corrode The Tube Surface Leading To Eventual Failure And Costly Replacement Or Repair. Regular Tube Cleaning Will Reduce The Costs Of Operation Through Increased Efficiency And Insure Long-Term Reliability.

PROBLEMS CAUSED BY SOOT

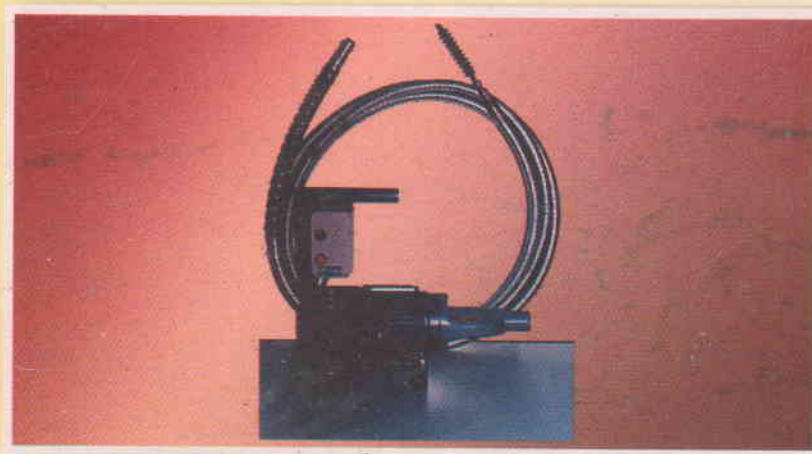
- * Soot Acts As A Good Insulation Material, And Has Five Times The Insulating Value Of Asbestos.*
- * Heat Transfer Loss Rises Tremendously.*

Affect Boiler Performance:

| <i>Soot Deposit Factor</i> | <i>Heat Loss</i> | <i>Increased Fuel Consumption</i> |
|----------------------------|------------------|-----------------------------------|
| <i>1/32" (0.8mm)</i> | <i>8%</i> | <i>2.0%</i> |
| <i>1/16" (1.6mm)</i> | <i>12%</i> | <i>2.5%</i> |
| <i>1/8" (3.2mm)</i> | <i>20%</i> | <i>4.0%</i> |

CLEANTUBE TECHNOLOGY

We Have Developed A Rotary Tube Cleaning Technology. This Makes Tough Tube Cleaning A Simple. As A Brush Or Other Cleaning Tool Is Rotated Through A Tube At The Tip Of A Flexible Shaft, Water Simultaneously Flushes Out Loosened Deposit, Leaving The Tube Thoroughly Cleaned. Operation Is Applicable For Both Dry Or Wet Application.



BENEFITS

Minimizes Downtime

The Job Finishes Quickly, Therefore, Boiler Be Down For A Minimum Period Whereas Manual/Other Cleaning Take More Time.

100% Cleaning

Cleaning With Rods Shorter Than The Length Of Tubes Leaves Deposits Behind. As The Cleaning Tool Of Cleantube Technology Travels The Full Distance Of Tube, Deposits Are Completely Removed And Tube Is Polished. Cleaning May Be From Either End Of An Equipment To Clean Tubes.

Saves Money

No Matter What Type Of Fuel Is Used (Gas, Oil, Coal, Bagasse, Rice/Mustard Husk Or Wood), Soot Will Quickly Accumulate In Boiler Tubes. As Much As 1/8" (32mm) Of Soot Can Build Up In Only Two Weeks. This Build Up Reduces Boiler Efficiency Wastes Heating Rupees.

Boiler Efficiency Can Be Monitored Through Stack Temperature Readings. For Every 40°F (22 °C) Rise In Stack Temperature, Fuel Consumption Increases By 1%. An Increase In Stack Temperature Is An Indication Of Dirty Tubes And A Signal To Clean The Boiler Tubes With Cleantube Technology.

Saves Fuel

Dirty Tubes Wastes Fuel. The Way To Improve Boiler Efficiency Is To Keep The Tube Clean By Cleantube Technology The Best Way.

Environmental Protection

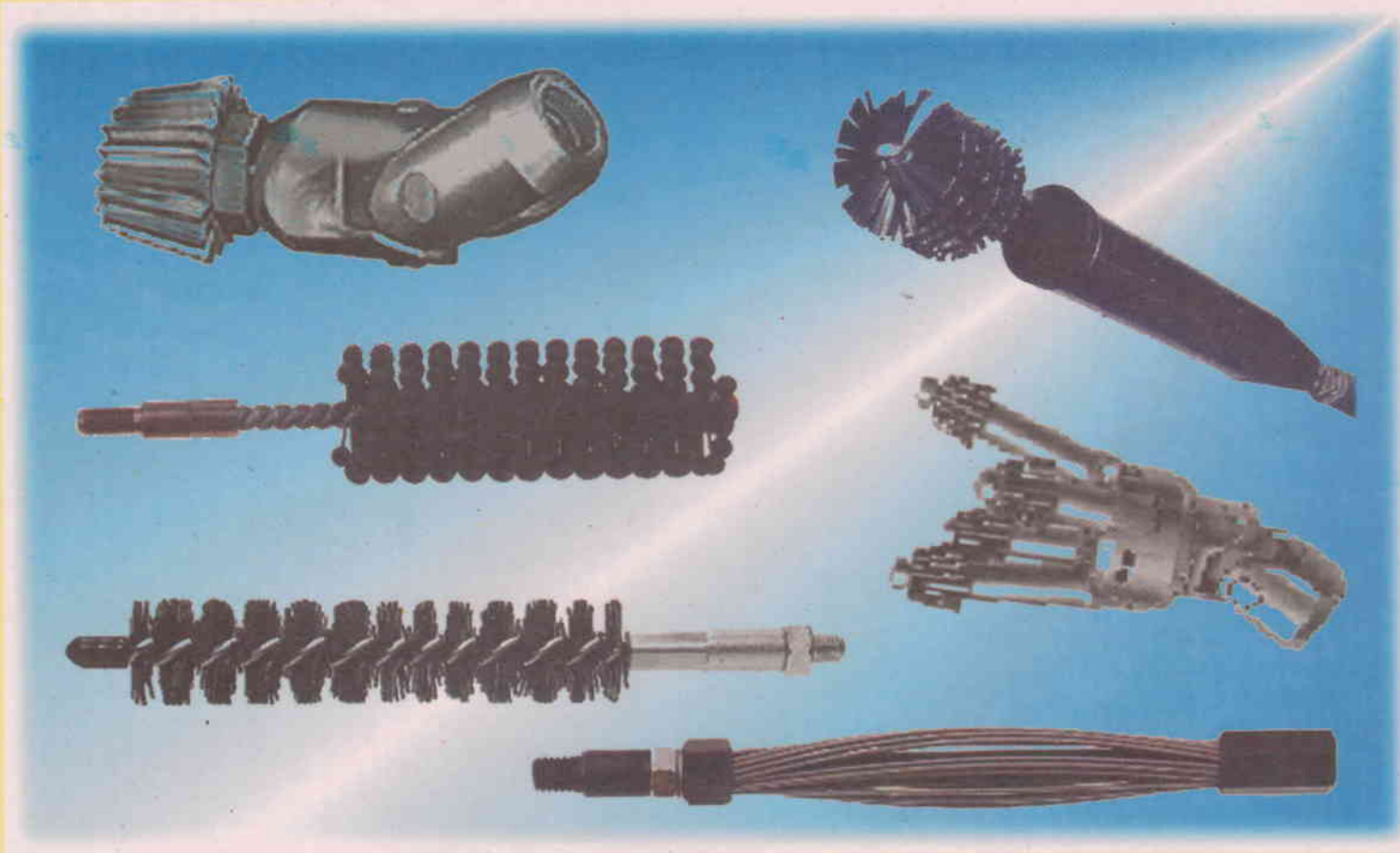
As Cleantube Technology Does'nt Include Any Chemical Or Other Raw Materials So System Is Fully Environmentally Safe.

WILL NOT DAMAGE TUBES

All Brushes, Shaft And Tools Are Designed Not To Damage The Wall Or Get Snared In The Tube.

AVAILABILITY

The Cleanchem Uses A Flexible Shaft, Which Is Available In Different Lengths And Diameters To Fit The Size Of The Tube To Be Cleaned. Cleanchem Has A Very Comprehensive Range Of Tools And Equipments For Different Tube Diameters To Suit All Manner Of Soot & Scale Conditions.



MULTIPLE CLEANING APPLICATIONS

For Tubulars, Boiler, Evaporators, Condensers, Coolers, Heat Exchangers Etc.



Clean Chem & Engineers

Head Office :

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

Correspondence & Marketing Office :
770/7, Zaidi Nagar Society
Shergarhi Road
Meerut-250 002 (India)

TEL: 0091 121 701746,

Fax : 0091 121 701506

e-mail: cleanchem@cjnet4u.com