

Value of Combustion Service Products

Protect Your Investment...

Protect Your Employees...

Maximize Your Profit...

Stelter & Brinck



Since 1956

S&B Technician's Credentials

•OSHA 29 CFR 2910 Annual Training

- Contractor Safety
- Emergency Response
- Hazard Communications
- Control of Hazardous energy
- Personal Protective equip.
- Permit Required Confined Space
- Respiratory Protection
- Machine Guarding
- Electrical Safety
- Hearing Conservation
- Hot Work Safety
- Fall Protection

- 160 hours on the job Training
- Ongoing Burner system training
- Controls/Wiring training
- Computer technology training
- Specialty Equipment training

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Increased Fuel Efficiency = Lower Energy Bills

- Burner tuning to get maximum efficiency through air to fuel ratio.
- Tuning also provides customer with cleanest possible emissions.



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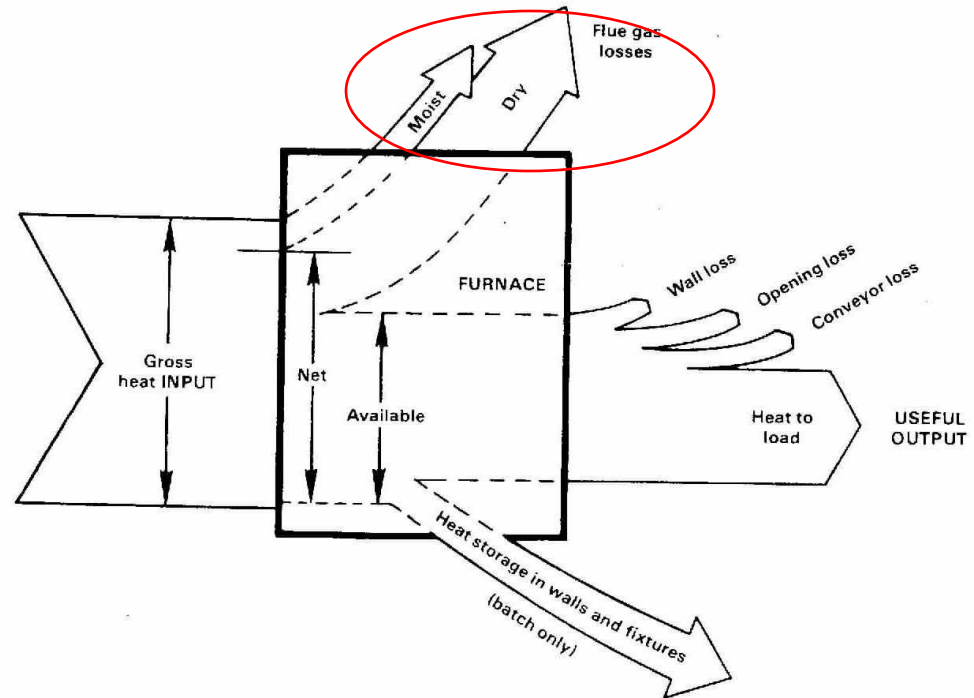


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Example of Burner Tune-up Savings

- In this example we will assume a system that is running lean.
- By adjusting the air-to-gas ratio S&B can reduce the flue gas energy losses as shown at right.
- By using available heat charts approximate fuel savings can be calculated.

Figure 3.6. Sankey diagram for a furnace heat balance. Gross input – moist flue gas loss = net input; net input – dry flue gas loss = available heat input. These terms can be evaluated in any consistent heat or energy units per unit of time per unit of fuel, or per unit of production output. A diagram such as this makes it easier to visualize areas of possible improvement in furnace efficiency.



Natural Gas Savings @1400 °F from burner tune-up

Savings contd.

Natural Gas Savings @1400 °F from burner tune-up

Calculated from available heat chart

		Fuel Savings when down to 10% Excess Air
%Excess Air	25	3%
Before	50	10%
Tune-up	100	22%

Comply with Codes

- Perform Required insurance safety checks - exclusive S&B 81 point inspection.
- Upgrade system to latest industrial burner code requirements



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Improve Safety

- Safety circuit testing
- Extensive knowledge of all GAP (formerly IRI), FM, and OSHA safety codes and NFPA standards.
- Safety training available for customer employees.



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Reduced Down-Time means Increased Production

- Preventative Maintenance provides a more reliable system limiting plant downtime due to unexpected failures.



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Increase Equipment Life

- Preventative Maintenance insures proper operation and thus increased equipment life.



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Expert Technical Support

- In-house Technical Service Support Staff
- S&B Engineering backs up our technicians with 55 + years of combustion and process heat experience.
- Emergency Response Team - 24/7 availability

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- Code Compliance**
 - + Improve Safety**
 - + Increased Fuel Efficiency**
 - + Increased Production**
 - + Limit Downtime**
 - + Increased Equipment Life**
-

MAXIMIZED PROFITS!

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Thank You!

If you'd like to get a quote on having your
industrial burners serviced, call us today:
513-367-9300!

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