




THERMAL ENGINEERS

(A Name For **EN**ergy **EFF**iciency)

536/25C1A, Industrial Area –C, Sua Road,
Dhandari kalan, Ludhiana-10



DOING THINGS THE
SAME WAY
GENERATES THE
SAME RESULT.



REAL PROGRESS IS
ABOUT
CONTINUOUS
CONTINUOUS
IMPROVEMENT

Continuous Improvement is a journey of an Organization from FAT to FIT.





EFFICIENCY

QUALITY

SPEED

COST

"EN EFF" The name is coined from the phrase **ENergy EFFiciency**. The existence of "EN EFF" came into being in 2000, in the city of industries viz. Ludhiana(Punjab). "EN EFF" has made its presence prominent not only in India but also in abroad.

Our greatest strength is our ability to understand customer needs. We are successful because we provide proven success for both buyers and suppliers.

Company Overview

What We Do ?

The company is engaged in manufacturing of electric/gas and oil fired energy efficient furnaces along with combustion equipment's. "**EN EFF**" offers its customers process support along with furnace building expertise, the interaction involves in-depth understanding of the customer needs, existing methods and concerns prior to offering a suitable solution. Instrumentation is our core business & we are dedicated to meet our customers' every need.

Our Service Guarantee

All of our products are manufactured from the best quality materials, to the highest standard and we pride ourselves on offering a service that we believe is second to none, and to show our commitment to our customers, we are prepared for twenty four hours a day, seven days a week service.

Our Vision

“EN EFF” will be the leading and most reliable partner for our customers by providing industrial heat treatment plants and services in India.

EN EFF Team



Narinder Singh
Director



Captain Singh
Director



Dharmvir Uppal
Chief Marketing Officer
(Ph.D. in Lean Kaizen)

"EN EFF" Products

EN EFF
Furnaces

EN EFF
Burners

Heating and
Pumping Units

Pneumatic
Combination
Valves

Recuperators

Blowers

Butterfly Valve

Special Blocks

Refractories

Instruments

“EN EFF” Furnaces



“EN EFF” Continuous pusher type forging furnace



“EN EFF” Gas Carburizing pit furnace

"EN EFF" Furnaces



"EN EFF" ISO Thermal Annealing furnace



"EN EFF" Muffle furnace

"EN EFF" Furnaces



"EN EFF" Bogie Hearth Furnace



"EN EFF" Continuous forging furnaces

“EN EFF” Heating Burners and Fans



North American Type
Burners (Suitable for
furnaces in Hand Tools
Industries)



Self Proportionating
Burners



Dual Fuel Burner
(DF 51022)

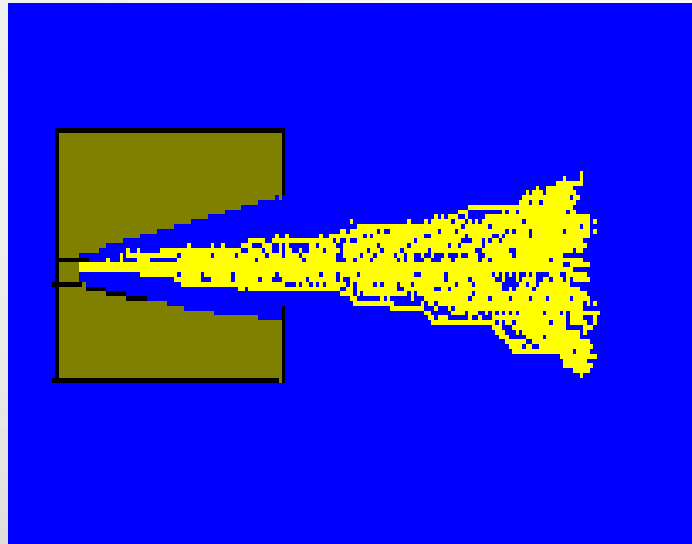


LPG Burner
(LPG 51022)

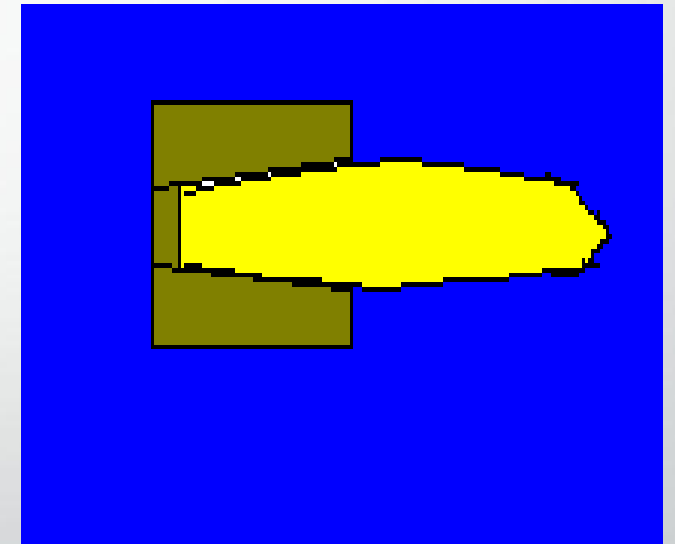
"EN EFF" Heating Burners and Fans



S.S.-310 Vifal fan- Can design in any size



Ordinary Burner



North American Type Burner

Salient Features

Operates through Sensitrol valve

- Operates efficiently at low excess air levels.
- Reduces Scale/Burning losses.
- Improves fuel economy saves up-to 20% fuel.
- Can be used with preheated air up-to about 350-400°C.
- Can be installed in existing systems without any significant changes.



"EN EFF" Heating & Pumping Units



Simplex



Duplex-II

“EN EFF” Pneumatic Combination Valve



Ratiotrol oil Valve



Motorized control
Valve



Pneumatic combination Valve

“EN EFF” Recuperators



SS Recuperator



SS Tiple Pass Recuperator



Double Pass Recuperator



AARTI STEELS LIMITED

STEEL WIRE DIVISION

Works : FOCAL POINT, LUDHIANA-141010 (INDIA)
Phones : 91-161-3006200
Fax : 91-161-3006226 , 3006250
E-mail : wiremktg@aartisteelsltd.com
: wiredrawing@aartisteelsltd.com
Website : www.aartisteelsltd.com

LETTER OF APPRECIATION

15/2/2018

To,

M/s EN EFF Thermal Engineers,
536/25c-1a, Industrial Area-C,
Ludhiana, Punjab.

Dear Mr. Singh,

This is to convey Aarti Steels sincere appreciation to EN EFF Thermal Engineers on the successful completion of the project to design & supply a highly efficient **EN EFF Four Pass S.S.Recuperator** for flue gas line of re-rolling furnace & using hot air in input of Hot air generator in wire drawing unit which resulted in **Energy savings of 70%**, pay back period is not more than 45 days.

It also minimise the flue gas temperature by 40% which will result in improving life of pollution control equipment.

For AARTI STEELS LTD,

AUTHORIZED SIGNATORY



Customer feedback

“EN EFF” Blowers

- Rigid Construction
- Statically & dynamically balanced
- Quiet
- Capacity range: 1HP-150 HP
(Higher capacities on request)
- Pressure: 6" w.g. –44" w.g



"EN EFF" BUTTERFLY VALVE

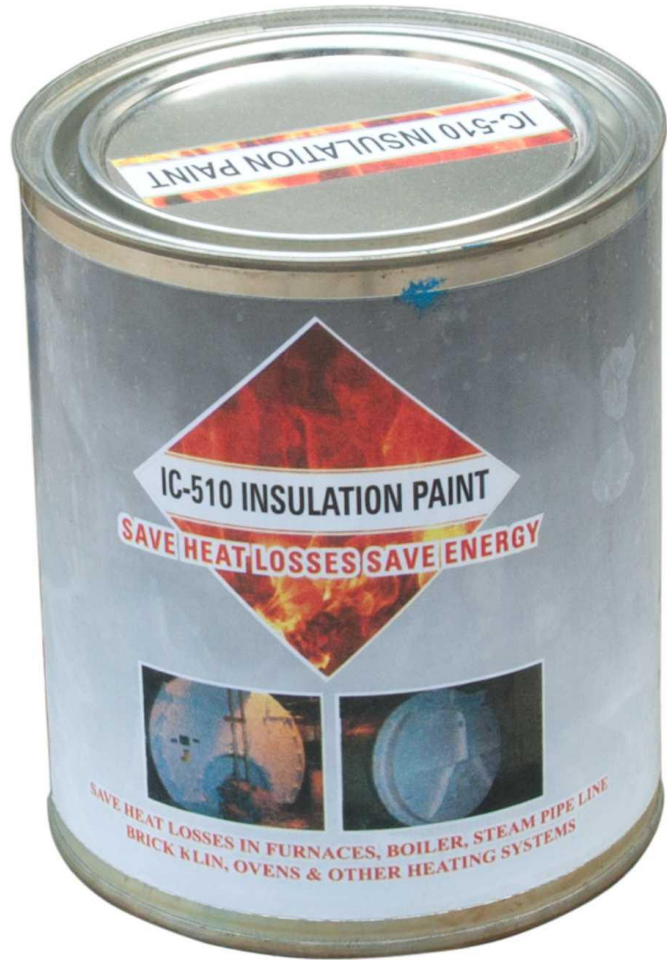
These valves are used to control air supply to the combustion equipment's. These valves are manufactured in different sizes from 1`` to 6``.



“EN EFF” Special Block

- Better Flame rotation
- Reduces Chamber Sizes
- Easy to install
- Reduces Oil Consumption





“EN EFF” Thermal Insulation

Single Side Coting



INSULATION_COATING_IC-510_Video (1).MOV

Both Sides Coting



559BECA0-B999-4553-8EC4-AF1F74B890FF (1).MOV

“EN EFF” Thermal Insulation



IC-510 Insulation method is much different from the traditional “wrap” insulation that only slow down the loss of heat(known as R-rating or “heat transfer”). The eight ceramic compounds create a barrier to catch the hold heat on the surface of the unit.

E.g.- Steam pipe, furnace surface, boiler, hot air pipe line etc.

Unlike wraps that use air as the insulation component, the ceramic compounds in IC-510 coating have very high heat emissivity.

Additional benefits of IC-510

Easy to Apply:

Apply directly to hot pipes while operating. Increased Insulation: Two Coats(approx.35 micron) immediately reduces face temperature and loss of heat up-to 40%

Long lasting:

Does not absorb Humidity or lose insulation value

Corrosion:

No sign of corrosion or condensation

Coverage:

Can be fit over any configuration and shape

Emissivity:

Very high emissivity of 90%

Farmparts Company
(A unit of Uniparts India Ltd.)
C-146, Phase-II, Focal Point, Ludhiana-141010, Punjab
Tel : +91 161 2029050, 5049550, 5049552

June 6, 2018

LETTER OF APPRECIATION

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we are regularly purchasing Energy Efficient Furnaces, Combustion Equipments, Refractory materials & Insulation Coating IC-510 from M/S EN EFF Thermal Engineers from more than a decade & extremely satisfied with services & quality of products.

We are also impressed from their innovative solutions to improve Energy Efficiency, reduce scale/burning losses & improving product quality as well. All these years fuel cost may go up or down but our fuel consumption per ton comes down year after year.

Wishing them equal success in future also.

For Farmparts Company
(A Unit of Uniparts India Ltd.)

For FARMPARTS COMPANY
(A UNIT OF UNIPARTS INDIA LIMITED)
Authorized Signatory Manager

Regd. Office : Gripswell House, Block 5, LSC, C 6 & 7, Vasant Kunj, New Delhi-110 070, India Tel : +91 11 26137973, Fax : +91 11 26133195
Corporate Office : SB Tower, Ground Floor, Plot # 1A/1, Sector 16A, Noida - 201301, (U.P.), India
Tel : +91 120 4581400, Fax : +91 120 4581499
E-mail : info@unipartsgroup.com, Website: www.unipartsgroup.com
An ISO 9001:2008 & 14001:2004 Company
CIN : U74899DL1994PLC061753



Customer feedback

CIN : U34300CH1993PTC013470



R.R. GEARS PRIVATE LIMITED

Plot No. 381, Industrial Area, Phase-I, Panchkula, (Haryana) 134113
Ph : 0172-5010549, Fax : 0172-5010551
Email : info@rrgears.in

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we purchased an End heating furnace from M/s EN EFF Thermal Engineers around eight years back & we did not need to repair/replace furnace shell, combustion air blower, Recuperator etc. Refractory re-lining services provided by them are also best in class. We are also impressed by the new developments they bring time to time resulted in improving fuel consumption in furnaces.

Insulation Coating IC-510 & new design of movable gates on End heating furnace is also a great success. Wishing them more success in future also.

Best Wishes,

A handwritten signature in black ink, appearing to read 'Mahinder Singh', written over the typed name.

Mahinder Singh
D.G.M –Production

Regd. Office: Kothi No. 561, Sector: 8/B, Chandigarh Ph: 0172-5010544, 5010545

Customer feedback



TO WHOM SO EVER IT MAY CONCERN

This is to certify that we purchase a Oil fired furnace from M/s EN EFF Thermal Engineers which we found highly energy efficient and productive. We targeted to achieve furnace oil consumption of 75 Litres per ton & we achieve the results easily.

We also appreciate their sincere efforts to modify our another existing furnace to Energy efficient furnace at lowest cost possible.


Regards

For DAYA INDUSTRIES
Karamvir Singh
MANAGER
06/06/2018

Karamvir Singh

Office : 1060, Sewak Pura, Near Dera Kalsian, Miller Ganj, Ludhiana - 141 003, Punjab, INDIA.
Works : 536/24, Sua Road, Dhandari Kalan, Indl. Area-C, Ludhiana. 141 010 Punjab, INDIA.
Telefax : +91-161-5013847 e-mail : dayaldh@gmail.com website : www.dayalnd.com

Customer feedback

 *Prabhat Forgings Private Limited*

(An ISO 9001:2008 Certified Co.)

Regd. Office & Works : B-A, Industrial Area-A, Extn., Ludhiana-141003

Tel : 2221254, 4642254

email : prabhatforgings@gmail.com

CIN: U28910PB1880PTC004135

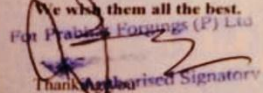
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TO WHOMSOEVER IT MAY CONCERN

We purchased two nos. En Eff Oil fired forging furnaces & as there company name suggests furnaces are v.v. Energy Efficient. Our oil consumption came down by around 40% & burning losses by 2 to 3%. Furnace payback was quite fast. We are also impressed by the new developments they bring time to time resulting in reduction of fuel consumption in furnaces.

The quality of refractory materials provided by them is also very good.

We are procuring all refractory materials from them regularly for the last more than five years.

We wish them all the best.
For Prabhat Forgings (P) Ltd

Thank you Sir/ised Signatory



Customer feedback

“EN EFF” Heating Elements



Heating Elements



Radiant Heater with Tube



Thread Type heater (Immersion)



Heater SS Flange type element



Heating element (Radiant)

“EN EFF” Instruments

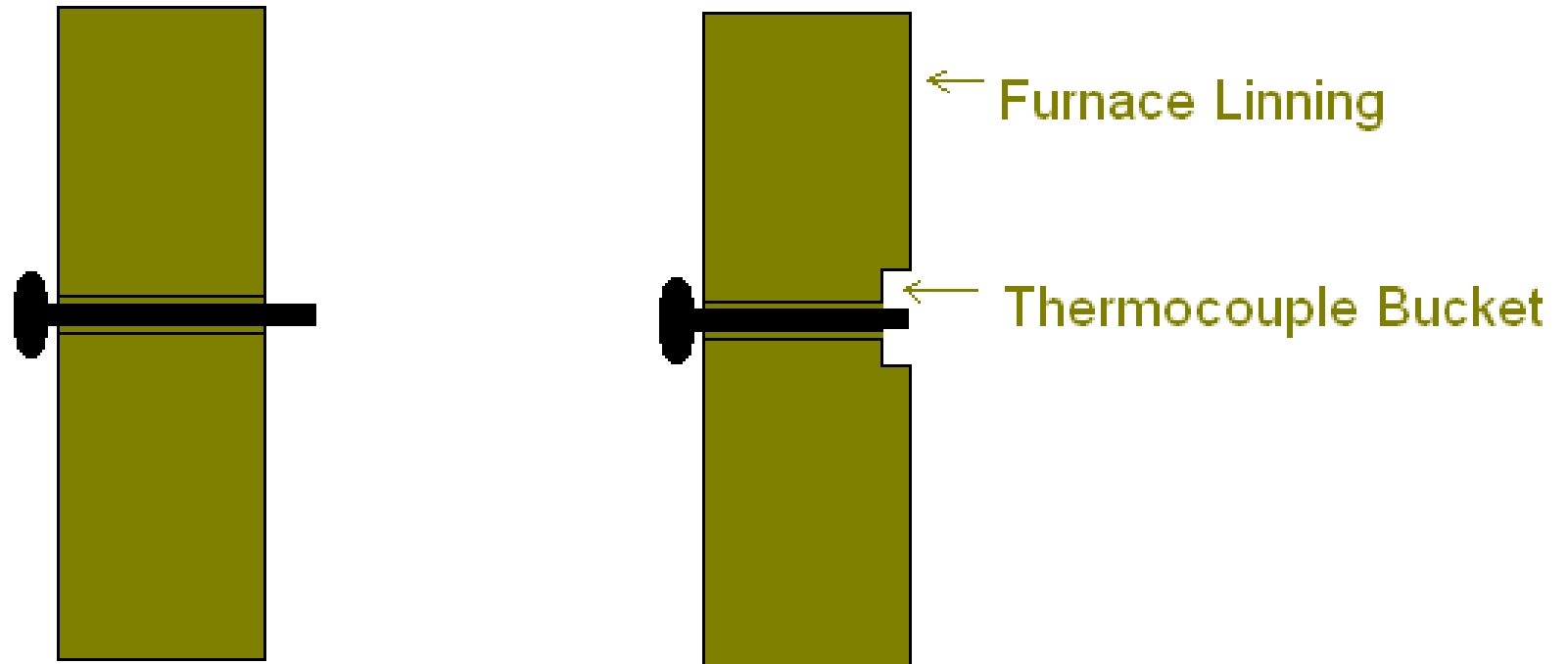


Professional high temperature Infrared Thermometer



- Thermocouples
- Temp. Indicators
- Temp. Controllers
- Compensating Cable
- All type of gauges
- FRL's

"EN EFF" Instruments





“Long Life” Refractories

“Long Life” Professional Refractory Lining





Thanks

OPPORTUNITIESNOWHERE