

The background of the entire page is a monochromatic blue-tinted photograph of an industrial facility. It features several tall, vertical smokestacks or chimneys, a complex network of pipes, walkways, and structural steel frameworks. The scene is dense with industrial equipment, suggesting a power plant or a large-scale manufacturing facility. The lighting is somewhat dim, with the blue tint giving it a technical and professional appearance.

# **INDECK<sup>®</sup>**

## **STEAM GENERATING EQUIPMENT**

**HIGH TEMPERATURE HOT  
WATER BOILERS**

**WASTE HEAT  
BOILERS**

**WATERTUBE  
BOILERS**

**SOLID FUEL  
BOILERS**

**FIRETUBE  
BOILERS**

**RENTAL  
BOILERS**





## INDECK GROUP OF COMPANIES

For half a century, Indeck Power Equipment Company (IPE) has been the leading innovator in trailer mounted boilers, package boilers, and energy systems. In 2002, we expanded our company with our acquisition of Indeck's manufacturing group, Indeck Boiler Corporation; formerly known as Volcano, located in St. Hyacinthe, Quebec. Volcano has long been recognized as a source of quality boilers dating back to 1920. In 2004, we further broaden our products with the acquisition of Indeck Keystone Energy, LLC located in Erie, Pennsylvania, which dates back to the 1800's, then known

as Erie City Iron Works and later, Zurn Energy Division. The Indeck Group now manufactures and markets boilers and related equipment under its well known trade names of Keystone, Indeck Boiler, IBW, International-LaMont, Travagrate, ThermoFlo, Volcano and Starfire. We now have one of the most comprehensive product and service offerings in North America, which further strengthens our ability to provide the total solution to all of our customer's steam and hot water needs.

Indeck Power started as a rental boiler company and was the first company to offer skid mounted and trailer mounted mobile rental boilers to industrial and commercial clients as well as state and federal agencies. Over the years, Indeck's business has grown and expanded to include the world's largest boiler inventory (with a value of over \$70,000,000).

Indeck also develops, owns and operates power plants through another group company, Indeck Energy Services (IES). Indeck Energy Services currently owns and operates plants generating over 1,000 MW of power.

Through the experience gained from owning and operating power plants and maintaining the world's largest boiler rental fleet, Indeck has learned much about boiler design as it relates to real world operation. This along with the historically proven technologies we own, allows us to incorporate design innovations for improved life and reliability into our full line of equipment.

Besides providing this wide range of quality boilers and boiler services, Indeck Power also provides customers a range of purchasing options beyond 'factory new' equipment such as boiler rentals, lease-to-own units, or stock inventory boilers.



## SINGLE SOURCE SUPPLIER

- Rental boilers, generators and boiler auxiliaries
- Stock Boilers and auxiliary equipment
- New boilers (gas, oil, solid fuel, waste heat boilers)
- High Temperature Hot Water Generators
- Firetubes
- Water treatment equipment
- Controls, BMS systems
- Aftermarket services (re-tubes, burner retrofits, upgrades parts, engineering studies, etc)
- Turnkey services (service, startup testing, installation, etc)



# WATERTUBE STEAM BOILERS

## *The Power To Deliver The Solution*



### "O" SERIES

The Indeck Keystone series watertube steam generators are designed with the flexibility to meet unique project requirements for shop-assembled or field-erected boilers.

Indeck has water tube steam generators capable of producing steam up to 1,000,000 lb/hr at design pressures over 2000 psig and superheated steam over 1,000°F.

#### FEATURES AND BENEFITS

- High service factors for severe duty applications.
- High steam pressure and temperature applications.
- Adaptability to unique fuels.
- Quick ramping capabilities throughout the load range.
- Flat superheater curve over the load range.



### "A" SERIES

A complete line of Indeck Volcano "A" style package boilers are offered to provide the ability to fire the dirty fuels while still incorporating the benefits offered with a package designed steam generator.

The "A" style boiler is fully shop assembled, rail shippable up to steam capacities of 300,000 lb/hr.



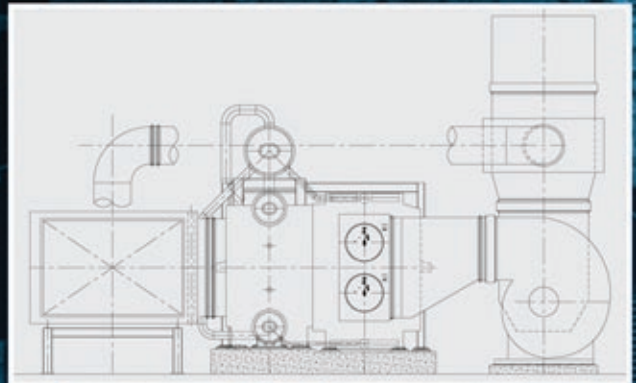
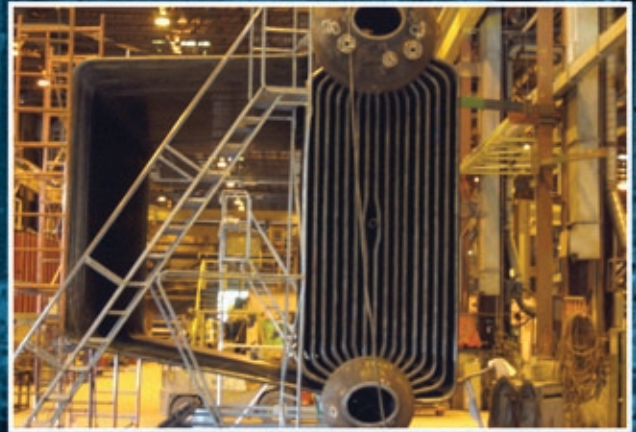


## PACKAGE "D" SERIES

Indeck "D" Series watertube boilers are designed to reduce overall project cycle time and to lower steam generating equipment costs.

### CAPACITY RANGE

The "D" Series watertube steam generator is capable of producing up to 500,000 lb steam/hr at design pressures up to 1,000 PSIG and superheated steam up to 750 degrees F. Smaller sized units can be shop assembled while larger sized units can be field erected.



## MODULAR "D" BOILER

- Up to 600,000lb/hr steam flow
- Modular Design minimizes field install
- Traditional package boiler arrangement
- Three (3) modules: remote steam drum, evaporator, and furnace

## 1,000,000 LB/HR HIGH CAPACITY MODULAR BOILER

- Over 1,000,000 lb/hr steam flow
- Modular (steel, casing, pressure parts) design minimizes field installation
- Grade level arrangement means less field labor
- Transported using conventional rail system



**VOLCANO**

SINCE 1920®

**ThermoFlo®****STARFIRE®**

# SOLID FUEL BOILERS

*The Power To Deliver The Solution*

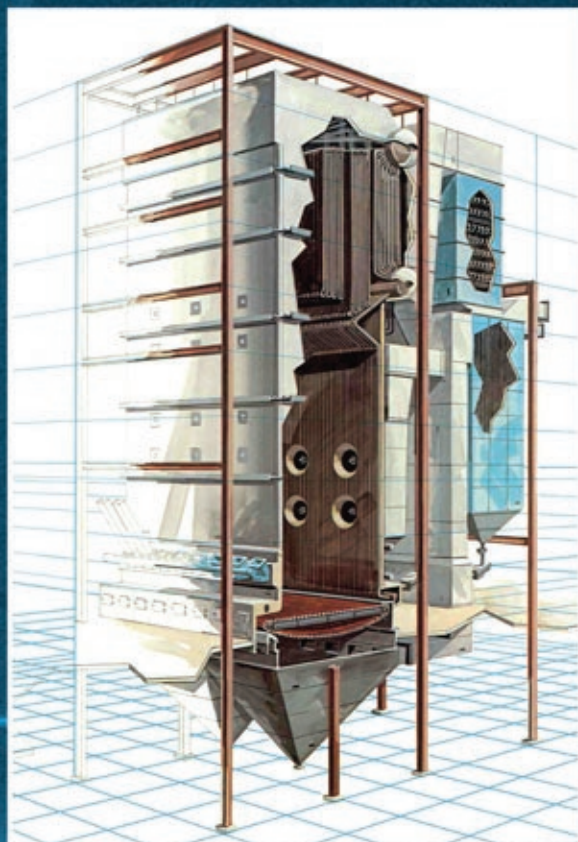
## ERIE CITY IRON WORKS WATERTUBE STEAM GENERATORS

With over 160 years in the design and manufacture of boilers and related equipment, Indeck Keystone Energy can call on the experience gained in building well over 1,000 boilers firing a multitude of fuels to properly supply your boiler to meet your needs.

Depending on the fuel(s) fired and the design requirements of the boiler, steam capacities can range from 25,000 to 600,000 lb steam/hr.

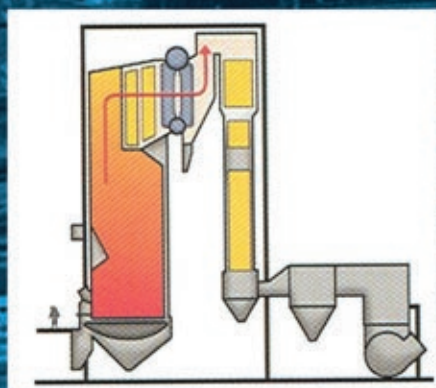
### FUELS FIRED INCLUDE:

- Coal and Lignite
- Wood and Bark
- Bagasse
- MSW (Municipal Solid Waste)
- RDF (Refuse Derived Fuel)
- Tires
- Agricultural Wastes
- Blast Furnace Gas
- Coke Oven Gas

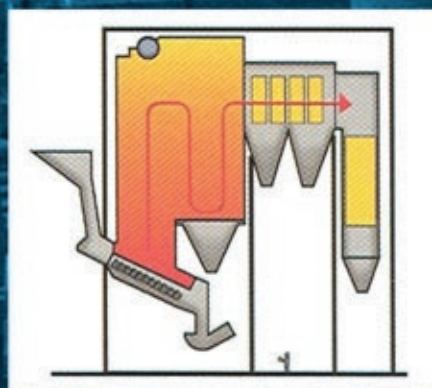


**SOLID FUEL FIRED BOILER  
WITH TRAVAGRATE® STOKER**

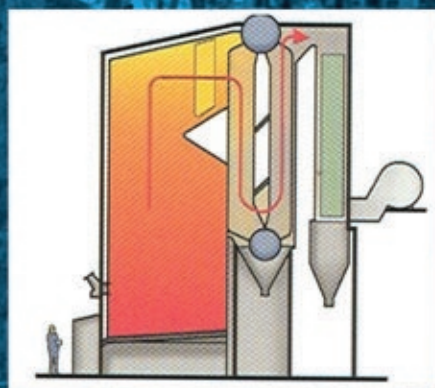
Fluidized Boiler Designs are  
available also.



**TWO DRUM OPEN PASS**



**SINGLE DRUM MSW DESIGN**



**TWO DRUM MULTI-PASS**



# WASTE HEAT RECOVERY

## *The Power To Deliver The Solution*

### WASTE HEAT RECOVERY BOILERS

Indeck offers years of experience utilizing waste gases and recovering its energy in the form of steam.

Steam generation is an ideal way to recover waste heat energy from these gases in a form most easily utilized.

Enormous quantities of heat energy inherent in exhaust gases from various industrial processes can be recovered to reduce energy consumption.

Capacities from 5,000 to 600,000 lb/hr steam are possible utilizing high pressures and temperatures.



### THERMAL OXIDIZER BOILER

Indeck's Boiler/TO design eliminates the need for separate equipment such as Boilers, Thermal Oxidizers, Heat Recovery Steam Generators and their associated controls, pumps and piping equipment. In the conventional approach, all of these separate pieces of equipment and systems are necessary to destroy VOC's, generate steam and recapture waste heat. Indeck's Boiler/TO eliminates the need for separate equipment. ***The real benefit to the Owner is simplified operation and controls for one Boiler/TO system.***



# INTERNATIONAL – LAMONT® GENERATORS

## *The Power To Deliver The Solution*

### HIGH TEMPERATURE HOT WATER GENERATOR

**Complete Line of Low and High Temperature  
Packaged Hot Water Generator Up To 200,000,000  
BTU/hr**

For district heating from a central heating plant ... for heating large single buildings ... for process requirements, etc., high temperature water offers important dollar savings over high pressure steam - savings that compel attention. The International-LaMont® High Temperature Hot Water Generator/ Thermal Fluid Heater with capacities up to 200,000,000 BTU/hr.

#### **Indeck Advantages:**

- High Temperature Differentials
- No Thermal Shocking
- Low Maintenance
- High Efficiencies
- Closed Loop System
- Low Pressure Drops
- Compact Design
- Safe Operation
- Minimum Water Treatment
- Proven Design
- Low NOx Emissions



# STARFIRE FIRETUBE BOILERS

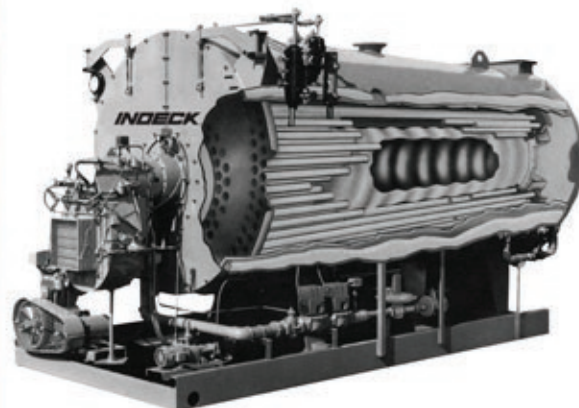
## *The Power To Deliver The Solution*

### STARFIRE FIRETUBE ST-SERIES

Capacities:  
10 – 1600 BHP  
(new and reconditioned).

Design Pressures:  
15 – 600 psig (steam)  
30 – 300 psig (hot water)

Fuels:  
Natural Gas, Propane and #2 - #6 Fuel Oil





## AFTERMARKET PARTS & SERVICE

### Comprehensive Repair and Upgrade Capability for:

- Two-Drum Boilers
- Keystone® Package Steam Generators
- Heat Recovery Steam Generators
- VL Boilers
- Travagrate® Stokers
- Experts in boiler start-up, repair, and upgrades
- Economizers, Airheaters, & Preheaters
- Superheater & Economizer Elements
- Steam Drum Internals & Steam Purifiers
- Burners, Fuel Feeders, & Boiler Tubes
- Highly knowledgeable Field Service Consultants & Construction Supervisors

### Indeck is the Exclusive Supplier of O.E.M. Boiler Parts and Services for:

- Erie City Iron Works
- Zurn Energy Division
- Aalborg Industries, Inc. (Erie Land Based Boilers)
- Indeck Boiler
- Volcano
- International-LaMont
- Starfire
- IBW
- Thermoflo



## MANUFACTURING CAPABILITIES

Indeck's modern manufacturing facility located in Quebec, Canada enables Indeck to produce and maintain high standards of quality and manufacturing efficiencies in our production of boilers and allied equipment.



## RENTAL EQUIPMENT

Indeck's fleet of trailer mounted package boilers available from our Wheeling, Illinois Headquarters and other storage sites throughout the United States are prepared to ship immediately to any job site. Each unit has easily accessible piping connections and a single point electrical connection for quick installation.

### INDECK POWER EQUIPMENT COMPANY

1111 Willis Avenue  
Wheeling, Illinois 60090

24-Hour On-Call Parts  
and Service Support Line  
800-446-3325

Phone 847-541-8300  
Fax 847-541-9984  
[www.indeck.com](http://www.indeck.com)

### INDECK KEYSTONE ENERGY, LLC.

5340 Fryling Road, Suite 200  
Erie, PA 16510-4660

24-Hour On-Call Parts  
and Service Support Line  
800-322-5995

Phone 814-452-6421  
Fax 814-897-1089  
[www.indeck-keystone.com](http://www.indeck-keystone.com)

### INDECK BOILER CORPORATION

4300 Beaudry Avenue  
St. Hyacinthe, Quebec J2S 8A5

