

HOT WATER BOILER

GENERAL DESCRIPTION

Sellers' gas fired hot water heating boilers are ruggedly designed for commercial and industrial application in sizes from 10 to 700 HP. Key features of the design include long life, ease of maintenance, high efficiency and freedom from thermal shock. The boilers are of a uniquely simple design with horizontal single pass fire tubes.

The power burner included is a forced draft premix type designed to attain high efficiencies. Premix burners easily achieve high CO₂ and low flue temperatures assuring peak efficiency. Combustion takes place as long thin flames inside the first half of each fire tube. High temperature radiant heat is widely distributed to over 50% of the heating surface. As a result, metal temperatures and tube elongation are reduced, thermal stresses are lower and a long boiler tube life occurs.

The immersion fired system allows a strong and rugged pressure vessel to be designed. Since each tube is subjected to the same amount of heat, all tubes are at the same temperature. There are no hot furnace tubes opposing cooler convection tubes. With uniform tube temperatures, thermal stresses are equal over the entire tube bank so thermal shock problems are eliminated.

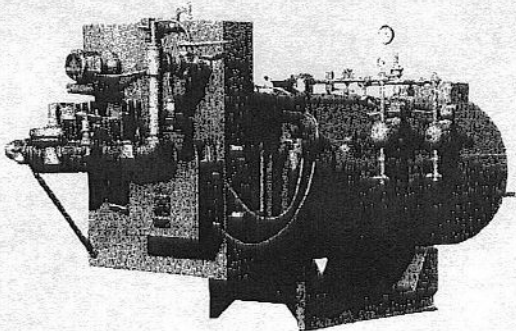
All heat transfer surfaces are water backed to reduce maintenance by eliminating refractories. Energy extractors in the rear half of each tube increase heat transfer to provide low flue gas temperatures.

PACKAGED UNITS

The boiler is completely factory assembled and mounted on a rugged steel skid for easy handling. Control and trim items are installed and factory checked for proper operation. Boiler is ready for connection of gas, water and electric services. Factory inspections include high pressure hydrostatic testing, high voltage wiring tests, and combustion analysis and testing. Sellers' boilers are approved as a package by Underwriters Laboratories.

DESIGN FEATURES

Sellers' boilers are built in accordance with the ASME Code and stamped with the ASME cloverleaf. Hot water boilers are built under Section IV of the Code for a design pressure of 100 psi and a maximum temperature of 250° F. Special higher pressure and temperature ratings are available upon request.



Both supply and return connections are located on the top centerline of the boiler to simplify installation. Skid heights are only 12" to provide lower boilers for maximum boiler room overhead clearance.

Burner is hinge mounted for easy access. Most controls and components are industry standards to simplify maintenance. A rear relief door provides safe and easy access for cleaning. Handholes simplify inspection and cleaning. Manholes are provided as required by the Code.

BOILER SAFEGUARDS

Electronic flame safeguards control burner operations including automatic sequencing and flame monitoring.

Boiler operation is also monitored by a low water cutoff, an air switch to check combustion air pressure, a high limit temperature control and a pressure relief valve.

OPERATING SEQUENCE

On a call for heat by the temperature control, the water level and limits are checked for safety and the blower motor starts. The air supply is proved and the burner is prepurged for 30 seconds. After prepurge, the pilot gas valve opens and the gas is spark ignited. Spark is continuously maintained through the combustion cycle. After all runner pilots are proved within the 10 seconds allowed for ignition, the main gas valve opens. When the heat demand is satisfied, a 15 second post purge of the burner completes the cycle.

The RM7840 flame safeguard provides a safety shutdown within 3 second if flame failure occurs.



HOT WATER BOILER RATINGS AND CAPACITIES

SEA LEVEL TO 3000 FEET ALTITUDE

| HORSE POWER | HOURLY GAS INPUT (1,000 BTU) | GROSS HOURLY OUTPUT (1,000 BTU) | EDR GROSS (150 Btu/Hr/Ft) | WATER CAPACITY | | SHIPPING WEIGHT (POUNDS)** | |
|-------------|---------------------------------|------------------------------------|------------------------------|----------------|--------|-------------------------------|---------|
| | | | | Gallons | Pounds | 100 PSI* | 150 PSI |
| 10 | 419 | 335 | 2,233 | 149 | 1,254 | 2,440 | 2,440 |
| 15 | 629 | 502 | 3,350 | 149 | 1,254 | 2,450 | 2,450 |
| 20 | 837 | 670 | 4,465 | 147 | 1,236 | 2,500 | 2,500 |
| 30 | 1,256 | 1,005 | 6,700 | 231 | 1,932 | 3,000 | 3,285 |
| 40 | 1,674 | 1,340 | 8,935 | 224 | 1,876 | 3,160 | 3,440 |
| 50 | 2,093 | 1,675 | 11,170 | 217 | 1,820 | 3,280 | 3,460 |
| 60 | 2,512 | 2,010 | 13,400 | 321 | 2,688 | 4,000 | 4,320 |
| 80 | 3,348 | 2,680 | 17,870 | 308 | 2,576 | 4,280 | 4,350 |
| 100 | 4,186 | 3,350 | 22,335 | 425 | 3,556 | 5,320 | 5,800 |
| 125 | 5,231 | 4,185 | 27,900 | 408 | 3,416 | 5,620 | 6,160 |
| 150 | 6,278 | 5,025 | 33,500 | 689 | 5,757 | 8,500 | 9,600 |
| 200 | 8,370 | 6,700 | 44,670 | 863 | 7,208 | 10,560 | 11,910 |
| 250 | 10,463 | 8,370 | 55,800 | 1,065 | 8,890 | 11,300 | 13,300 |
| 300 | 12,555 | 10,050 | 67,000 | 1,024 | 8,548 | 11,900 | 13,900 |
| 350 | 14,648 | 11,720 | 78,135 | 1,253 | 10,458 | 13,000 | 15,200 |
| 400 | 16,740 | 13,400 | 89,335 | 1,502 | 12,541 | 15,400 | 17,900 |
| 500 | 20,925 | 16,750 | 111,670 | 1,738 | 14,510 | 18,000 | 20,800 |
| 600 | 25,110 | 20,100 | 134,000 | 1,998 | 16,679 | 21,500 | 24,600 |
| 700 | 29,302 | 23,450 | 156,335 | 2,668 | 23,269 | 32,000 | 36,000 |

*Standard Boiler Pressure. **Crating may add 500 pounds to some shipments.

GAS PRESSURE REGULATORS

Regulators are required on all gas trains. They are supplied at no extra charge providing gas pressures to the regulator are within the standard gas train range shown in the chart below. If gas pressures exceed 10 psi, a second regulator should be supplied at the jobsite to reduce pressures to the standard range.

At elevations over 2000', consult the factory to determine if higher gas pressures are required.

Required Gas Pressures (Natural Gas at 0-2000' elevation)

| Boiler Horsepower | Pressure Required at Inlet to Gas Train | | | |
|-------------------|---|---------|--------------------|---------|
| | Standard Gas Train | | Special Gas Train* | |
| | Minimum | Maximum | Minimum | Maximum |
| 10 to 20 | **9" w.c. | 1 psi | **6" w.c. | 10 psi |
| 30 to 80 | 12" w.c. | 1 psi | **7" w.c. | 10 psi |
| 100 to 125 | 14" w.c. | 1 psi | **10" w.c. | 10 psi |
| 150 to 200 | 18" w.c. | 1 psi | 14" w.c. | 10 psi |
| 250 | 2 psi | 10 psi | 14" w.c. | 10 psi |
| 300 to 400 | 1.5 psi | 10 psi | 14" w.c. | 10 psi |
| 500 to 600 | 2.0 psi | 10 psi | 1 psi | 10 psi |
| 700 | 3.0 psi | 10 psi | 1 psi | 10 psi |

*Special gas trains required at extra cost.

**Minimum pressure for propane to be 11" w.c.

ELECTRICAL

All boilers are factory assembled with 105° C color coded wire to numbered terminal strips. The wiring diagram is attached to the inside of the control panel cover. A transformer provides 5 amps at 120 volts to the control circuit. Motors are provided to match the specified power supply requirements at the jobsite.

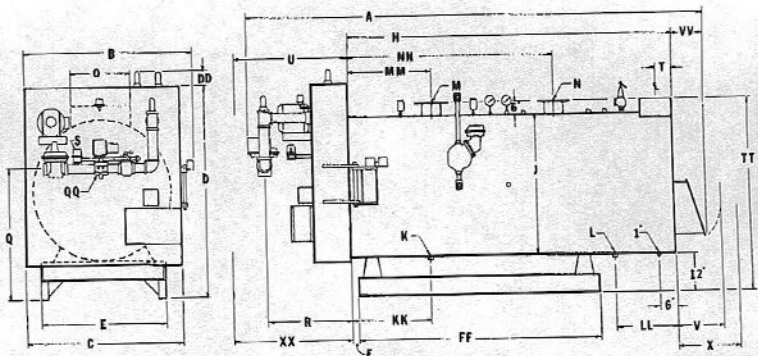
STACK REQUIREMENTS

Design stack to provide .02" water column draft at the flue outlet. Smooth transitions and bends are required. Generally, full size rectangular or equivalent round stacks should be used. Maximum stack weight on boiler should not exceed 1,000 pounds.

AIR REQUIREMENTS

Provide 1/2 square foot of free air inlet area per 1,000,000 Btu input to burner or 3 square inches per boiler horsepower. Preferably, use cross ventilation in lieu of a single opening.

See manuals for full installation details.



↓ HOT WATER BOILER DIMEN!

| HORSEPOWER: | | C-10-W | C-15-W | C-20-W | C-30-W | C-40-W | C-50-W | C-60-W | C-80-W | C-100-W | C-125- |
|---------------------------------|----|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| OVERALL DIMENSIONS: | | | | | | | | | | | |
| LENGTH | A | 141 | 141 | 141 | 147 | 147 | 147 | 149 | 151 | 160 | 180 |
| WIDTH | B | 36 | 36 | 36 | 42 | 42 | 42 | 47 | 47 | 56 | 56 |
| BURNER WIDTH | C | 29 | 29 | 29 | 35 | 35 | 35 | 40 | 40 | 51 | 51 |
| BURNER HEIGHT | D | 53 | 53 | 53 | 61 | 61 | 61 | 68 | 68 | 74 | 74 |
| SECONDARY AIR CAP HEIGHT | DD | 8 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | — |
| BASE: | | | | | | | | | | | |
| WIDTH | E | 24 | 24 | 24 | 24 | 24 | 24 | 30 | 30 | 36 | 36 |
| LOCATION | F | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 26 | 26 |
| LENGTH | FF | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 80 | 80 |
| SHELL: | | | | | | | | | | | |
| LENGTH | H | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 114 | 114 |
| DIAMETER INSIDE | J | 24 | 24 | 24 | 30 | 30 | 30 | 38 | 36 | 42 | 42 |
| SHELL CONNECTIONS: | | | | | | | | | | | |
| DRAIN SIZE | K | 1 | 1 | 1 | 1 | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ |
| DRAIN LOCATION | KK | 16 | 16 | 16 | 18 | 18 | 16 | 16 | 18 | 22 | 22 |
| MANUAL FILL SIZE | L | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ |
| MANUAL FILL LOCATION | LL | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| HOT WATER OUTLET SIZE | M | 2 | 2 | 2½ | 3 | 3 | 4 | 4 | 4 | 4 | 6 |
| HOT WATER OUTLET LOCATION | MM | 26 | 26 | 26 | 28 | 28 | 28 | 28 | 28 | 33 | 33 |
| HOT WATER RETURN SIZE | N | 2 | 2 | 2½ | 3 | 3 | 4 | 4 | 4 | 4 | 6 |
| HOT WATER RETURN LOCATION | NN | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 71 | 71 |
| GAS CONNECTIONS: | | | | | | | | | | | |
| MAIN BURNER VALVE IPS (Note 5) | QQ | 1 | 1½ | 1½ | 1½ | 2 | 2 | 2½ | 3 | 3 | 3 |
| VERTICAL LOCATION | Q | 33 | 33 | 33 | 35 | 36 | 36 | 39 | 39 | 42 | 42 |
| HORIZONTAL LOCATION (Note 4) | R | 20 | 20 | 20 | 22 | 22 | 22 | 24 | 28 | 28 | 28 |
| PILOT BURNER VALVE IPS | S | ½ | ½ | ½ | ½ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| FLUE CONNECTIONS: | | | | | | | | | | | |
| FLUE SIZE (Note 6) | O | 6 | 6 | 6 | 6 | 10 | 10 | 10 x 10 | 10 x 15 | 10 x 18 | 10 x 20 |
| FLUE LOCATION | Y | 5 | 5 | 6 | 6 | 7 | 7 | 5 | 5 | 5 | 5 |
| FLUE HEIGHT | TT | 43 | 43 | 43 | 49 | 49 | 49 | 48 | 55 | 66 | 61 |
| INSTALLATION CLEARANCES: | | | | | | | | | | | |
| COMBUSTION ASSEMBLY SWING | U | 37 | 37 | 37 | 46 | 46 | 46 | 51 | 53 | 62 | 62 |
| RELIEF DOOR SWING (Note 7) | V | 17 | 17 | 17 | 18 | 18 | 18 | 20 | 20 | 24 | 24 |
| TUBE REMOVAL, FRONT (Note 8) | XX | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 75 | 86 | 86 |
| TUBE REMOVAL, REAR (Note 8) | X | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 72 | 72 |
| RELIEF DOOR ASSEMBLY | VV | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| BLOWER HORSEPOWER: | | ¾ | 1 | 1 | 1½ | 1½ | 2 | 3 | 3 | 5 | 5 |

NOTE: ALL DIMENSIONS IN INCHES

FORM H-2 MANUFACTURERS' DATA REPORT FOR ALL TYPES OF BOILERS
EXCEPT WATERTUBE AND THOSE MADE OF CAST IRON
As Required by the Provisions of the ASME Code Rules

98801

C-20-W, 100#

916 - 922 West Walnut Street

1. Manufactured by Sellers Engineering Company - Danville, Kentucky 40422
(Name and address of manufacturer)

2. Manufactured for Stock-SKI Co. Contractors, Inc., 1111 S. Keller High School, Dul Worth
(Name and address of purchaser)

3. Location of Installation Gate Dam, Keller, TX 75556
(Name and address)

4. Unit Identification Horizontal Internal Gas Fired Boiler ID Nos. 8351 (Mfg. Serial No.) (CRN) C258-5215-6 6444 1987
(Drawing No.) (Mfg. Bro. No.) (Year Built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The design, construction and workmanship conform to ASME Rules, Section IV 1983 and Addenda to W-1985
(Year)

6. Boiler Shells or Drums: No. One Dia. 24 I.D. Length 108 Dia. _____ Length _____

7. Shell Plates SA-285-C (For plates or drum state: Material specification no. & grade, nominal thickness)

8. Longitudinal Joint(s) Double Butt Weld Joint Efficiency 85%
(Seamless, Welded) (As compared to seamlessness)

9. Girth Joint(s) Welded No. of Shell Courses _____
(Seamless, Welded)

10. Tube Sheet SA285-C 3/4" Tube Holes 2 1/32" (Dia.)
(Mfg. Spec., Grade, Thickness)

11. Boiler Tubes: No. 12 Straight Dia. SA178A 2" Length 84 Gauge 095
(Mfg. Spec., Grade, (Straight or Bent) (If various, give max. & min.) (Of thickness)

12. Heads SA-285-C 3/4" -Thick, Flat
(Material Specification No., Thickness - Flat, Dished, Ellipsoidal - Radius of Dish)

13. Fumace No. NA Size _____ Length, each section _____ Total _____ Type _____
(O.D. or W x H) (Pipe, Corrugated, etc.)

Soams: Type _____ Thickness _____
(Seamless, Welded) (Mfg. Spec. & Gr.)

14. Staybolts: No. NA Size _____ (Diam., Mfg. Spec. Grade Size Tolerance, Nut Area)

Pitch _____ MAWP _____ psi
(Ingr and Vert.)

15. Stays or Braces

| Location | Material Spec. | Type | No. & Size | Pitch | Total Net Area | HQ 2/3 L ² | Dist. Tubes to Shell | Area to the Stayed | MAWP psi. |
|----------------------|----------------|------|------------|-------|----------------|-----------------------|----------------------|--------------------|-----------|
| (a) F.H. above tubes | | CHRU | | | | | 10% | | |
| (b) R.H. above tubes | | CHRU | | | | | 10% | | |
| (c) F.H. below tubes | | | | | | | 8% | | |
| (d) R.H. below tubes | | | | | | | 8% | | |
| (e) Through stays | | | | | | | | | |

16. Other Parts 1. None 2. _____ 3. _____
(Brief Description: i.e. Dums, Boiler Piping, etc.)

1. _____
2. _____
3. _____
(Mfg. Spec. Grade, Size, Material Thickness, MAWP)

17. Openings: (a) Hot Water One 3" H. Coup. (b) Safety Valve One 2" H. Coup.
(No., Size, and Type)

(c) Drain One 1" H. Coup. Bott. Front (d) Feed One 3" H. Coup. Bott. Rear
(No., Size, Type, and Location)

(e) Manholes: No. None Size _____ Location (1) RH (1) Shell

(f) Handholes: No. 2 Size _____ Attachment Welded
(Seamless or Welded)

18. Boiler Supports: No. _____ Type SKID Attachment _____
(Stools, Legs, Lugs)

19. MAWP 100# psi Based On HG301&HG340 Heating Surface 42.4 sq ft or KW
(Codes Par. and/or Formula) (Total)

20. Shop Hydrostatic Test 150# psi
(Complete Boilers)

Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None

(Name of part, item number, mill's name and identifying stamp)

CERTIFICATE OF COMPLIANCE

We certify the statements in this data report to be correct.

Date 1-15-87

Signed Sellers Engr. Co. by [Signature]

(Manufacturer)

(Authorized Representative)

ASME Certificate of Authorization No. 15,482 to use the (H) symbol expires 1-16- 19 87 90

CERTIFICATE OF SHOP INSPECTION

Boiler made by Sellers Engineering Company at Danville, Kentucky
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Kentucky and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT have inspected parts of this boiler referred to as data items All and have examined Manufacturer's Partial Data Reports for items None

and state that, to the best of my knowledge and belief, the Manufacturer has constructed this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. OHIO COMM.

Date 1-15-87

Signed [Signature]

(Inspector)

Commissions 1B8130 KY593 PA W.C. 2560

(NAT'L BOARD, STATE, PROVINCE AND NO.)

CERTIFICATE OF COMPLIANCE

We certify that the field assembly of all parts of this boiler conforms with the requirements of SECTION IV of the ASME BOILER AND PRESSURE VESSEL CODE.

Date _____ Signed _____

(Assembler)

By _____

(Representative)

ASME Certificate of Authorization No. _____ to use the (H) symbol expires _____ 19 _____

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____ have compared the statements in this Manufacturer's Data

Report with the described boiler and state that the parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the Manufacturer and/or the assembler has constructed and assembled this boiler in accordance with the applicable sections of the ASME BOILER AND

PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of _____ psi.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date _____

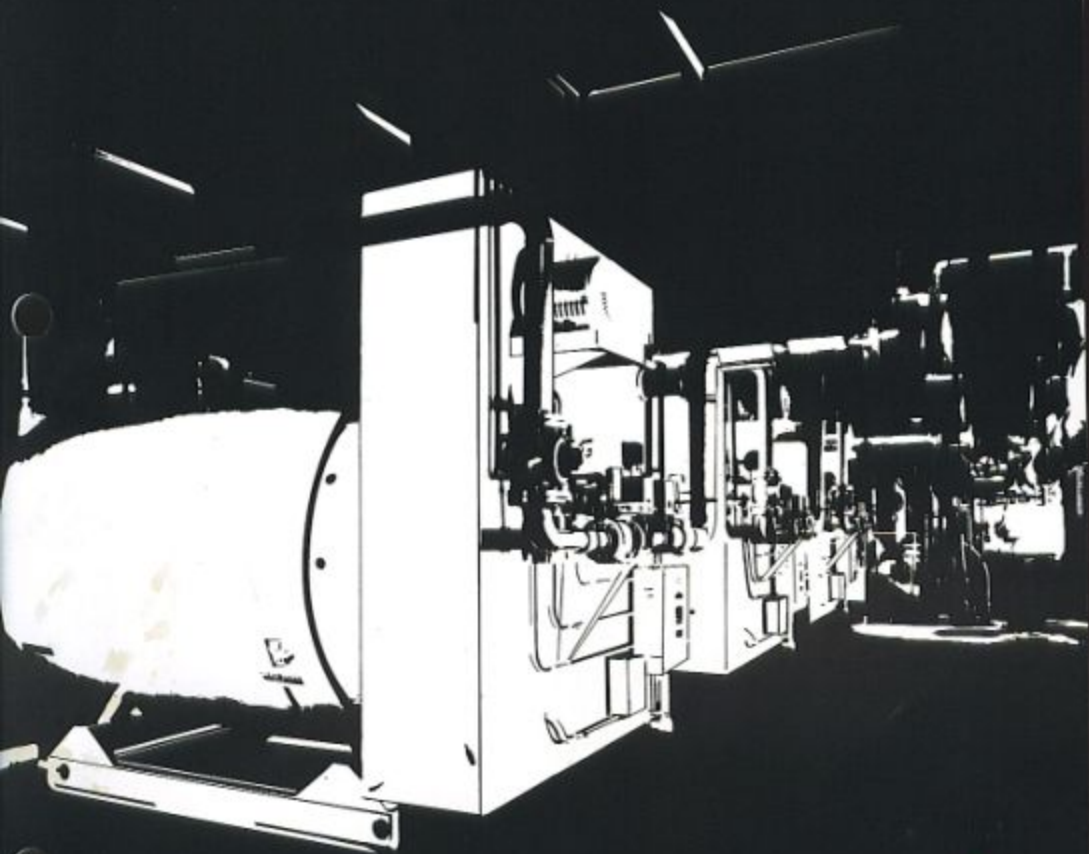
Signed _____

(Inspector)

Commissions _____

(NAT'L BOARD, STATE, PROVINCE AND NO.)

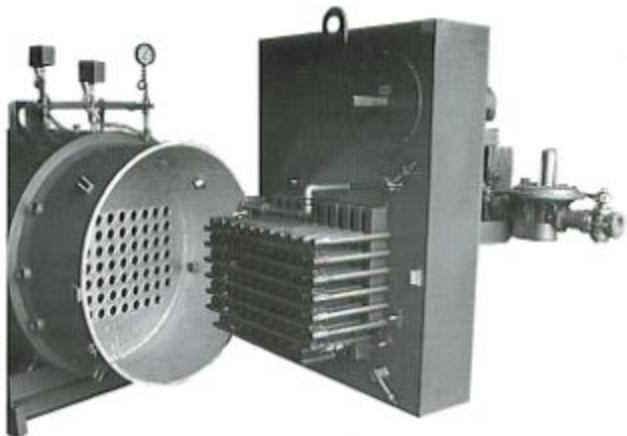
SELLERS
Immersion Fired Boilers



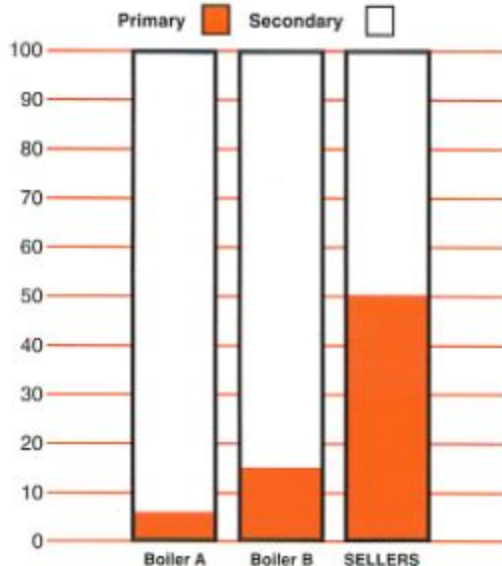
Immersion Firing Principle

The immersion fired boiler is based on the principle that the most effective heating surface in any boiler is the primary or radiant heating surface. This is the surface on which the fire shines. The primary heating surface absorbs 65% to 70% of the heat radiated by the burner flame in any boiler. The immersion boiler was designed to utilize this principle and maximize primary heating surface. In a Sellers boiler, 50% of the total heating surface is primary as compared to 5% to 14% in an ordinary boiler. This large percentage of primary heating results in balanced heat transfer and longer life.

Research performed by the National Academy of Science, Report #44, determined that the amount of primary heating surface is the key to efficiency and long boiler life. Immersion firing gives you more primary heating surface than any other boiler on the market.



PERCENTAGE OF
PRIMARY HEATING SURFACE



Design Advantage

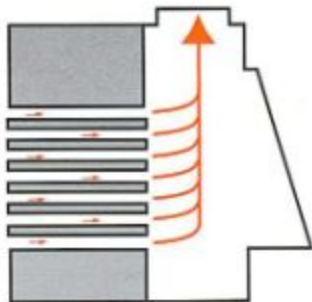
The immersion fired boiler offers many advantages over other boilers that are on the market today. This unique design has been proven to perform since 1931 and is unlike any other. The design advantages include:

- **Guaranteed High Efficiency Performance**
- **The Industry's Longest and Most Comprehensive Thermal Shock Warranty**
- **Lower Emissions of NOx and CO**
- **Dramatically Reduced Maintenance Costs**
- **Absolutely No Refractory**
- **U.L. Labeled Packaged Boiler**
- **Five Year Non Pro-rated Burner Warranty**

Sellers Eliminates Refractories

The Sellers immersion firing system is more than efficient. Design simplicity and rugged construction give you a boiler that is built to last. The Sellers immersion fired boiler does not contain refractory of any kind. None in the front. None in the rear.

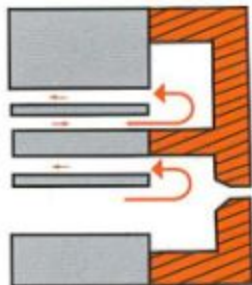
In many multipass boilers, flame and hot gases are directed from pass to pass with special refractory. High temperatures and the stress of constant heating and cooling make for a short service life. Yearly maintenance and periodic replacement becomes a costly and time consuming requirement. These costs are completely eliminated with a Sellers.



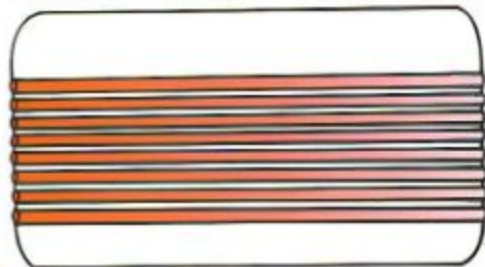
SELLERS BOILER: Efficient one-pass firing means no refractories and no refractory maintenance.

Sellers Eliminates Thermal Shock

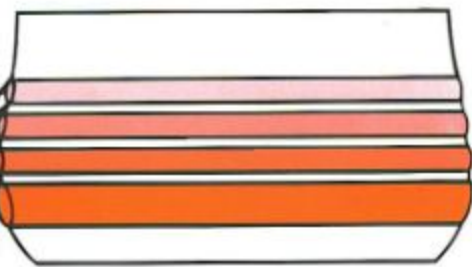
Thermal shock can ruin a boiler. It is caused by the metal components in a boiler expanding or contracting unevenly. This can be caused by low feedwater temperatures, firing a cold boiler or uneven heat transfer rates across the heating surface. The result of thermal shock can be loose tubes, cracked tube ligaments or tube sheets. There are no thermal shock problems with the Sellers boiler. As shown in the graphic below, the single pass design eliminates the tremendous stresses that are associated with very high temperature differentials between the furnace and the successive passes of tubes in an ordinary boiler. Expansion is equal in all tubes, tube sheets are kept cool, and hot spots are eliminated.



ORDINARY BOILER: Complex refractory shapes break down under operating conditions, resulting in frequent and costly repairs.



SELLERS BOILER UNDER STRESS



ORDINARY BOILER UNDER STRESS

THERMAL SHOCK: In a multi-pass boiler, the different passes of tubes are heated to different temperatures. As a result, tremendous stresses are applied to the tube sheets and tube junctions (A), distorting and fatiguing the steel. A Sellers heats all tube sheets and junctions evenly. Adequate spacing between the tube bank and the boiler shell (B) allows the tube sheet to flex naturally in a Sellers.

Performance and Dependability

Ease of Maintenance

All boiler owners and operators appreciate the simple design and easy operation of a Sellers boiler. Routine service is simple. The front hinged burner door swings open for easy access to the burner. No complicated linkages and drive motors to get out of adjustment. Absolutely no refractory to repair or replace. Sellers uses standard boiler trim and controls that are available everywhere. This aids in parts availability and keeping maintenance costs low by avoiding high priced proprietary components.

Stays Cleaner

Small diameter tubes provide a scale cracking feature. Any scale forming on the tubes becomes hard and inelastic. The alternate slight expansion and contraction of the tubes under intermittent firing loosens hard scale. It drops to the bottom of the shell and without "hot bottom" baking, they remain in small loose pieces for easy removal. This feature helps especially with high make-up process boilers or applications where the boiler must operate under extreme conditions.

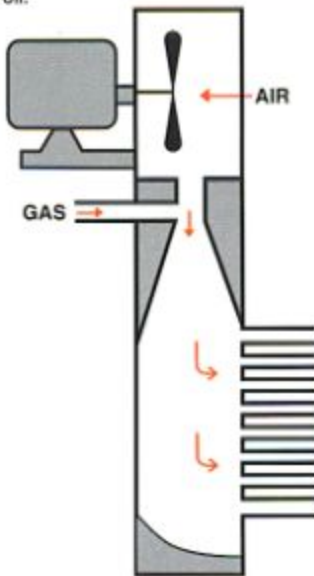
Fireside surfaces stay cleaner due to high velocities and clean combustion eliminating the need to brush the tubes clean.

Champion Performance

For over seventy years Sellers boilers have been built to meet the toughest demands of owners and consulting engineers. Sellers simplicity of design, high efficiency performance, safety of operation and reliability make it a champion in the boiler industry. Even with this high level of performance, a Sellers is still attractively priced.

Air-Gas Mixing

The Sellers premix type burner manifold creates ideal intimate mixing conditions for gas and air, a result difficult to obtain and maintain with a nozzle mix burner. Since immersion firing is designed to burn gas and only gas, no compromise in design is necessary to accommodate oil.



ENGINEERING CO. / DANVILLE, KENTUCKY 40422

BOX 48. DANVILLE. KENTUCKY 40423 • PHONE: 859-236-3181 • FAX: 859-236-3184