

## The Dewey-Shepard Boiler Co.

Sales Office: 1311 N. Capitol Avenue, Indianapolis, Ind.

STEEL FIRE TUBE BOILERS & HEATERS  
GAS & OIL FIRED

VERTICAL FIRE TUBE UNITS capacities 95,000 to 1,000,000 Btu  
ASME CODE CONSTRUCTED

All Dewey-Shepard boilers and water heaters (oil and gas fired) are built on the patented "Tube within a Tube" principle. All units are jacketed with fiber-glass insulation ready for instant hook-up.



- Oil Burners Underwriters Approved.
- Gas Burners A.G.A. Listed.
- Boilers Automatically Welded.
- Built-in Coils Optional.

NET RATING

| Model | *Water, Sq Ft | Steam, Sq Ft | Btu     |
|-------|---------------|--------------|---------|
| B     | 465           | 290          | 70,000  |
| C     | 580           | 365          | 87,500  |
| D     | 700           | 435          | 105,000 |
| E     | 930           | 580          | 140,000 |
| F     | 1,165         | 730          | 175,000 |
| G     | 1,400         | 875          | 210,000 |
| H     | 1,640         | 1,025        | 246,000 |
| I     | 1,865         | 1,165        | 280,000 |
| J     | 2,330         | 1,455        | 350,000 |
| K     | 2,800         | 1,750        | 420,000 |
| L     | 3,730         | 2,330        | 560,000 |
| M     | 4,450         | 2,780        | 666,666 |

Boiler ratings do not include allowance for Built-in Coils.

\* Based on heat emission rate of 150 Btu per sq ft only. For other emission rates see SBI rating code.

### OIL and GAS BOILERS

Dewey-Shepard's patented "Tube within a Tube" principle gives you 80 per cent or more heat absorption, resulting in pre-heating the incoming cold water before it comes in contact with the metal surfaces to which radiant heat is being applied. There is one square foot of heating surface for every gallon of water, transferring every possible unit of heat to the water, resulting in EFFICIENT, ECONOMICAL OPERATION . . . plus many other advantages for your customers, such as:

• LESS FUEL USED • LOWER INSTALLATION COST • NO LIME—NO SCALE • 20 PER CENT LESS HEAT LOSS THROUGH THE STACK • NO EXPANSION, CONTRACTION OR CONDENSATION • CLEANEST HEAT POSSIBLE • SUFFICIENT HOT WATER AT ALL TIMES

### DEWEY-SHEPARD'S NEW OIL FIRED "COUNTER FLOW" BOILER

Designed for use with Baseboard Radiation, Copper Convectors, and Radiant Panel with forced circulation and small pipe sizes.

#### SPECIFICATIONS

|                   |                       |                             |                                  |                                            |
|-------------------|-----------------------|-----------------------------|----------------------------------|--------------------------------------------|
| Net Btu<br>77,700 | Net Rating<br>518 EDR | Heating Surface<br>19 sq ft | Size<br>31 in. x 19 in. x 19 in. | Shipping Weight<br>300 Boiler<br>75 Burner |
|-------------------|-----------------------|-----------------------------|----------------------------------|--------------------------------------------|

## Dutton Boilers

Division Hapman-Dutton Co.

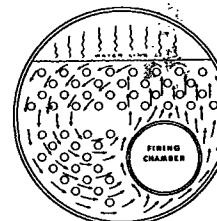
639 Gibson Street, Kalamazoo, Michigan

For Dutton Representatives, see "Boilers" in Classified Phone Book

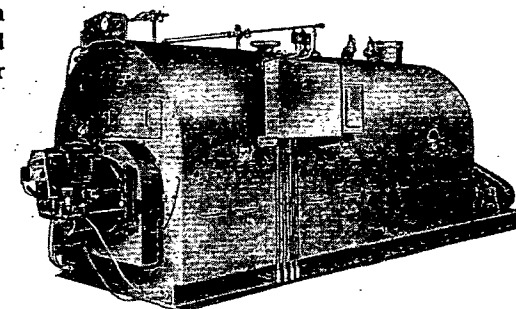


Four types, many sizes . . . From 5 hp up . . . Firing with gas, light or heavy oil, stoker coal or by hand . . . For processing, power, high and low pressure steam and hot water heating . . . For Industrial Plants, Dairies, Laundry and Dry-Cleaning Plants, Chemical and Food Processing, Hotels, Institutions, etc.

Off-Center Firing With  
EconoTherm Packaged  
Models—Gas or Oil or  
Combination Gas-Oil



EconoTherm water circulation diagram shows rotary motion.



Available in 9 sizes, EconoTherm is a compact power "package." Requires no heavy foundation or stack.

EconoTherm Models are fully automatic, self-contained, "packaged" units with full safety controls. Of 3-pass fire-tube design, they feature a modified Scotch Internal Furnace located off-center in the welded shell. Off-center firing creates a rotary water circulation, resulting in more uniform water temperature, fast steaming, a steady water line at all times, and high quality dry steam. Higher water column above furnace provides greater safety, extra efficiency. Rotary combustion in furnace, large steam storage space, and five or more square feet of water heating surface per rated hp combine to deliver a guaranteed efficiency rating of 80 per cent with steam

dryness rating of 99 plus 0/0 dry steam under proper operating conditions. Induced draft fan pulls gases through boiler for positive draft and fast firing. Only a vent pipe is needed—no expensive chimney or stack! Boiler shell is one-piece welded construction, X-ray inspected, complying with all ASME requirements. Every unit gets full running test and is accompanied with certified ASME Data Report.

### OTHER DUTTON TYPES

These include EconoMist automatic HRT with 5-way convertible firing (15 to 105 hp), EconoMaster verticals (5 to 60 hp), and EconoMizer models (10 to 25 hp).

### ECONOTHERM—RATINGS AND DIMENSIONS

|             | ECONOTHERM<br>Model Number | Sq Ft Water<br>Heating Surface | Lbs Steam<br>Per Hr | Equivalent<br>Horsepower |
|-------------|----------------------------|--------------------------------|---------------------|--------------------------|
| 5812 (oil)  | 5712 (gas)                 | 125                            | 773                 | 25                       |
| 5825 (oil)  | 5725 (gas)                 | 250                            | 1387                | 50                       |
| 5835 (oil)  | 5735 (gas)                 | 375                            | 2456                | 75                       |
| 5850 (oil)  | 5750 (gas)                 | 544                            | 3754                | 100                      |
| 5865 (oil)  | 5765 (gas)                 | 650                            | 4435                | 125                      |
| 5880 (oil)  | 5780 (gas)                 | 814                            | 5617                | 150                      |
| 5890 (oil)  | 5790 (gas)                 | 905                            | 6210                | 175                      |
| 58100 (oil) | 57700 (gas)                | 1000                           | 6900                | 200                      |
| 58125 (oil) | 57125 (gas)                | 1252                           | 8639                | 250                      |