

Cyclotherm Division

United States Radiator Corporation

Sales and Executive Offices

Oswego, New York

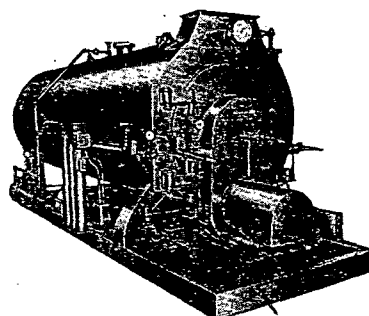
Factory Distributors throughout the United States

CYCLOTHERM STEAM AND HOT WATER GENERATORS

Operate on Cyclonic Combustion principle. Completely automatic with full safety controls. Oil, gas or interchangeable gas and oil firing. Only four connections required.

The Cyclonic Combustion operating principle causes the fuel to be burned while spiraling at high velocity around the inside wall of the combustion chamber, forming virtually a tube of flame. This provides uniform and highly efficient heat transfer over the entire furnace wall without hot spots. Complete utilization of heat transfer areas provides quick heat as well as greater than 80 per cent efficiency with the reduced maintenance of a two-pass design.

15 to 80 hp models are equipped with "on-off" control; 100 to 500 hp models have modulated control. 80 hp units with modulating controls furnished at customers request. Automatic combustion safeguard, low water and other safety controls are included.



Sizes from 18 to 500 hp

Pressure Range

Available in standard low pressure units or high pressures up to 200 psi. Hot water generators are also available in all sizes.

Standard Burner Arrangements

Fuel	Cyclotherm Model No.
Light Oil, 1 to 3	C-600 thru C-17,500
Heavy Oil, 5, 6 and Bunker C	C-2800 thru C-17,500
Gas, mfd., mixed and natural	C-600 thru C-17,500
Comb. lt. oil and gas	C-600 thru C-17,500
Comb. hy. oil and gas	C-2800 thru C-17,500

STANDARD RATINGS AND DIMENSIONS.

Model No.	Max. HP Rating	Output BTU Per hr	Steam Units		Hot Water Units		Overall Dimensions (Inches)		
			Steam Per Hr. (Pounds)	Equivalent Direct Radiation (Sq Ft)	Gallons Per Hr. (100° Rise)	Equivalent Direct Radiation (Sq Ft)	Length	Height	Width
C-600	18	600,000	600	2,500	743	4,005	71	44	27 1/2
C-1000	30	1,005,000	1,035	4,185	1,240	6,700	80 1/2	54	41
C-1400	40	1,340,000	1,380	5,580	1,655	8,930	110 1/2	54	41
C-2100	60	2,010,000	2,070	8,375	2,480	13,400	124	63 1/2	45 1/2
C-2800	80	2,680,000	2,760	11,165	3,305	17,865	152	66 1/2	55
C-3500	100	3,350,000	3,450	13,955	4,135	22,330	162	73 1/2	64
C-4400	125	4,187,500	4,315	17,445	5,170	27,915	173 1/2	84 1/2	69 1/2
C-5200	150	5,025,000	5,175	20,935	6,205	33,500	197 1/2	91 1/2	75
C-7000	200	6,700,000	6,900	27,915	8,270	44,565	224 1/2	98 1/2	81
C-8700	250	8,375,000	8,625	34,892	10,337	55,782	251 1/2	98 1/2	81
C-10500	300	10,050,000	10,350	41,875	12,405	66,900	252	102 1/2	88
C-12000	350	11,725,000	12,075	48,850	14,475	78,115	252	102 1/2	88
C-13800	400	13,400,000	13,800	55,850	16,540	89,330	252	102 1/2	88
C-17500	500	16,750,000	17,250	69,764	20,674	111,564	284	102 1/2	88

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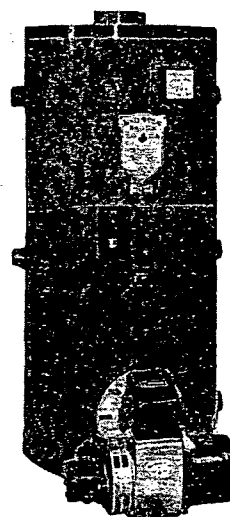
The Dewey-Shepard Boiler Co.

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
B	560	350
C	756	470
D	840	520
E	1120	700
F	1400	875
G	1540	965
H	1960	1230
I	2120	1330
J	2760	1720
K	3000	1895
L	4480	2800
M	5960	3730

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

* If piping and pick-up loss exceeds 20 percent of installed radiation, allow for such added loss.

OIL and GAS BOILERS and WATER HEATERS

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 and GAS FIRED "COUNTER FLOW" BOILER Designed for use with Baseboard Radiation, Copper Convectors, and Radiant Panel with forced circulation and small pipe sizes.

SPECIFICATIONS

Output Net Btu	Net Rating	Heating Surface	Size	Shipping Weight
95,200	540 EDR	19 sq ft	31 in. x 19 in. x 19 in.	300 Boiler 55 Burner

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