

VAPOR HEATING CORPORATION

80 East Jackson Boulevard • Chicago 4, Illinois

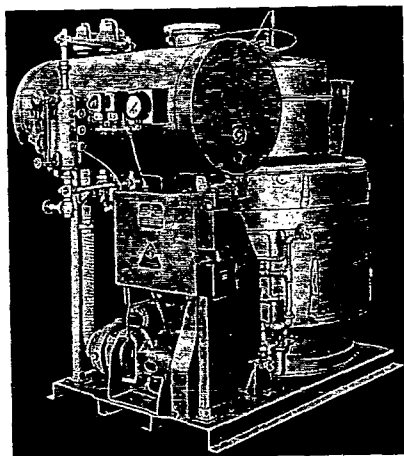
New York • St. Paul • Denver • Washington • Philadelphia • Atlanta
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VAPOR MODULATIC WATER-TUBE BOILERS

DRUM TYPE

Dependable, compact, Vapor Drum Modulatics are designed to furnish high or low-pressure steam, with high or low temperature hot water for heating, power, processing, countless production applications. $\frac{1}{4}$ the size and weight of conventional boilers of comparable ratings—Modulatics provide 4 bhp per sq. ft. of floor space. Largest size takes only 40 sq. ft., fits easily in unused corners or aisles. Lowest installation cost—Modulatics are delivered as complete units factory assembled, wired and job-tested, ready to connect and fire up. Largest unit fits through plant doors. No special foundations or chimneys required. Operation is fast, positive, automatic. Full steam in 5 minutes, or instant hot water, from cold start. Tracks fluctuating steam demand up or down with speed and accuracy.

Multiple-unit Modulatic installations can have a single, automatic coordinated control that cuts whole units in or out as steam requirements vary, and modulaties between these steps. Several smaller units always operating at design capacity minimize the inherent inefficiency of idling larger boilers as steam demand slackens.



Modulatic boilers *never* require replacement because design permits easy, simple replacement of water-tube coils, or other parts, for lifetime peak efficiency. Built-in automatic safeguards against no water, flame failure, excessive pressure. All Modulatics conform to ASME Power-Boiler Code and ASME Heating-Boiler Code.

DRUM-TYPE SPECIFICATIONS IN BRIEF

Size	20 to 200 hp
Pressures	0 to 15 psi
	5 to 150 psi
Fuel	Oil, Gas, or Combination
Floor Area (200 hp)	5 ft. x 8 ft.
Height (150 hp)	7 ft. 3 in.
Floor Load (max.)	150 lb./sq. ft.
Operation	Automatic

INDUSTRIAL TYPE

Heavy-duty Modulatic boilers are made in nine sizes to 150 bhp and pressures to 1000 psi. These industrial boilers have all Modulatic advantages of compactness, quick steaming, flexibility, and high operating efficiency with reliable, automatic performance and minimum maintenance. Thousands of Modulatics have proved themselves in tough, demanding service throughout the world. Literature is available upon request for both drum type and industrial type Modulatics.

INDUSTRIAL-TYPE SPECIFICATIONS IN BRIEF

Size	10 to 150 hp
Pressures	3 to 1000 psi
Fuel	Oil, Gas, or Combination
Floor Area (150 hp)	5 ft. x 8 ft.
Height (150 hp)	6 ft. 10 in.
Floor Load (max.)	150 lb./sq. ft.
Operation	Automatic



WESTERN BOILER COMPANY

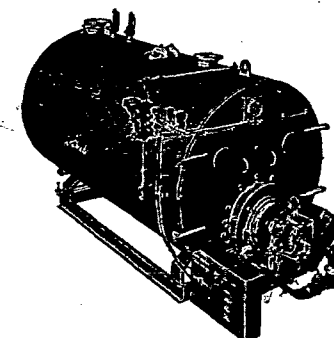
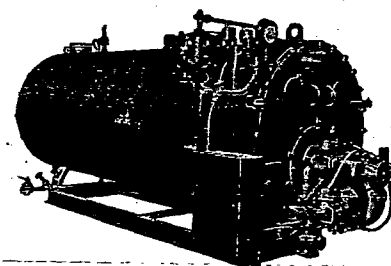
1600 North Indiana Street, Los Angeles 63, California

1 Vanderbilt Avenue, New York 17, New York

Detailed on this page are a few of the many features of Webco-Ray packaged heating, power and process steam boilers. Webco-Ray 3-pass boilers combine in a single guaranteed package, the skills and experience of two leaders in heating and power equipment. All units are assembled, pre-wired and test fired at Western Boiler Company prior to shipment, making possible immediate hookup at the job site.

Component parts are integrated for balanced, economical performance and dependability. Forced Draft design eliminates unsightly, costly, tall stacks, an important advantage in today's modern buildings.

Sizes from 10 to 600 boiler horsepower, 335,000 to 20,085,000 Btu/hr for oil, gas and combination oil-gas operation.



PACKAGED PRESSURE FORCED DRAFT: These ruggedly constructed Webco-Ray packaged boilers are ideally suited for fully automatic forced draft operation in the 10 to 100 boiler hp, 335,000 to 3,348,000 Btu/hr range. Units are available for light oil, natural gas or combination gas-oil operation. All are guaranteed to provide quiet, efficient and economical performance. With Webco-Ray Pressure Forced Draft units, a single motor provides complete power for both the fan and oil pump with resultant savings in electricity. The single fan furnishes all air necessary for combustion and to overcome draft loss through the boiler. Air is supplied under constant pressure unaffected by atmospheric conditions. These forced draft features eliminate the need for tall stacks or other auxiliary draft equipment. Only a small vent is needed to carry off spent gases. Burners meet all requirements of the National Electric Code and Underwriters' Laboratories.

PACKAGED ROTARY FORCED DRAFT: This highly efficient Webco-Ray packaged boiler is fully automatic, incorporating the Webco-Ray Forced Draft System. It is designed and built to comply with the requirements of the ASME Code and displays the appropriate Code symbols. Sized from 40 to 600 boiler hp, 1,339,000 to 20,085,000 Btu/hr, units are available to achieve efficient combustion of light and heavy fuel oils—high or low pressure gas. Combination models fire either oil or gas. Webco-Ray boilers feature large furnace volumes for high radiant heat transfer, quiet operation, longer life and minimum maintenance.

Forced Draft—The Webco-Ray forced draft system enables this unit to operate efficiently on all fuels regardless of external atmospheric conditions. Forced draft firing eliminates the need for costly, unsightly tall stacks or overdrive draft controls. Only a small vent is required to carry off spent gases. The belt-driven forced draft fan can be easily adjusted to compensate for varying altitude factors.

Size	BOILER OUTPUT				Size	BOILER OUTPUT			
	EDR Steam Sq Ft	EDR Water Sq Ft	Heat Output X 1000 Btu/hr	Oil Firing Rate GPH		EDR Steam Sq Ft	EDR Water Sq Ft	Heat Output X 1000 Btu/hr	Oil Firing Rate GPH
10	1390	2230	335	2.8	115	18000	25600	3845	32.0
15	2090	3350	502	4.2	125	17500	27900	4184	34.9
20	2790	4480	669	5.6	150	21000	33500	5021	41.8
25	3480	5570	836	7.0	175	24500	39100	5858	48.8
30	4180	6690	1002	8.4	200	28000	44600	6695	55.8
40	5580	8920	1339	11.2	225	31400	50200	7525	62.7
50	7000	11200	1674	14.0	250	35000	55800	8369	69.7
60	8400	13400	2009	16.8	300	42000	67000	10043	83.7
70	9800	15600	2343	19.5	350	49000	78100	11716	97.6
80	11200	17900	2678	22.3	400	56000	89300	13390	111.6
90	12600	20100	3013	25.1	500	70000	111600	16738	139.5
100	14000	22300	3348	27.9	600	84000	133900	20085	167.4

Capacities based upon Fuel Oil at 150,000 Btu/gal, gas at 1000 Btu/cu ft, and boiler efficiency of 80 percent