

UNITED STATES RADIATOR CORPORATION

GENERAL OFFICES: DETROIT, MICHIGAN

Manufacturers of Capitol Boilers and Radiators

Branches and Sales Offices

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*DAVENPORT, IOWA			WASHINGTON, D. C.

*Assembling Plants located at points indicated by asterisk

Manufacturing Plants Located in Following Cities

BRISTOL, PA.; CORY, PA.; DETROIT, MICH.; DUNKIRK, N.Y.; EDWARDSVILLE, ILL.; GENEVA, N.Y.; WAUKEGAN, ILL.; WEST NEWTON, PA.

CAPITOL BOILERS

In choosing the correct size of boiler for any building there is one and only one consideration: will it properly heat the required number of square feet of radiation?

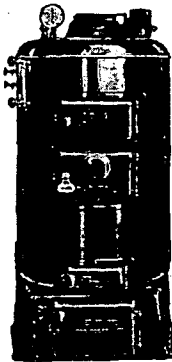
The net cast iron radiating surface that each type and size of Capitol Boiler will heat adequately has been determined and is guaranteed in writing.

When the needed radiating surface is known and contributing factors checked, the selection of the proper Capitol Boiler becomes a simple matter.

CAPITOL RED CAP BOILERS

The Capitol Red Cap Boiler offers the latest development in round boilers. Built upon the precise principle of the Capitol Round Boiler, it is enclosed in a round jacket of cobalt blue, capped with cardinal red and fitted with red vitreous porcelain enamel doors. A thick blanket of rock wool, more effective than any insulation used heretofore, on jacketed boilers, insulates the entire boiler.

An ample base allows no ashes to choke the draft. An unusually deep firepot permits long firing periods. Large and stream lined water-ways and extra long fire travel insure high efficiency.



Capitol Red Cap Boiler

GUARANTEE

The UNITED STATES RADIATOR CORPORATION will give an absolute guarantee, in writing that Capitol Boilers will properly heat their full published amounts of "direct cast iron radiation," provided only, that the boilers are connected to correctly installed systems and that the recognized standard requirements are followed. Should any Capitol Boilers not meet these conditions, the additional capacity necessary will be supplied "without charge" by the UNITED STATES RADIATOR CORPORATION.

RADIATOR LOADS AND DIMENSIONS FOR CAPITOL RED CAP BOILERS

Boiler No.	Direct Cast Iron Radiator Loads, Sq. Ft.		Height of Water Line, Inches	Grate Area, Sq. Ft.	Hard Coal Fuel Capacity, Pounds	Size of Outlet and Inlet, Inches	Minimum Chimney Sizes	
	Steam	Water					Height, Feet	Dimensions, Inches
17-4	200	330	46 1/2	1.44	139	2 1/2	30	8 x 8
17-5	250	415	51 1/4	1.44	139	2 1/2	30	8 x 8
19-4	300	495	46 1/2	1.76	170	2 1/2	30	8 x 12
19-5	350	580	51 1/4	1.76	170	2 1/2	35	8 x 12
20-4	400	660	46 1/2	2.24	227	3	30	8 x 12
20-5	450	745	51 1/4	2.24	227	3	35	8 x 12
21-4	500	825	46 1/2	2.76	297	3	35	8 x 12
21-5	550	910	51 1/4	2.76	297	3	35	8 x 12
25-4	625	1030	47 1/2	3.54	368	3 1/2	35	8 x 12
25-5	675	1115	52 3/4	3.54	368	3 1/2	40	8 x 12
25-6	725	1195	57 1/4	3.54	368	3 1/2	40	8 x 12
28-4	775	1280	48 1/2	4.40	479	4	35	8 x 12
28-5	850	1405	53 3/4	4.40	479	4	40	12 x 12
28-6	925	1525	58 3/4	4.40	479	4	45	12 x 12

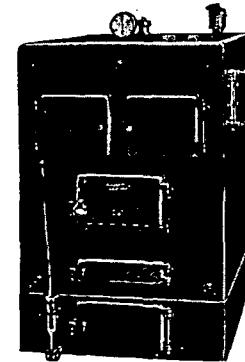
*See Guarantee.

†Steam boilers have one outlet and two inlets. Water boilers have two outlets and two inlets.

CAPITOL RED TOP BOILERS

Like the Red Cap, the Red Top possesses all the characteristics that mark the Capitol group of jacketed boilers. It has the same sturdy jacket of heavy gauge

steel, with baked enamels in cobalt blue and cardinal red. Its trimmings are of nickel plate and black enamel. Its doors are vitreous porcelain enamel. Its insulation, sides, top and back is of full inch thick, wire reinforced, rock wool.



Capitol Red Top Boiler

A new boiler throughout, the Capitol Red Top includes many features which are distinct improvements in boiler design. Every part of the boiler has been given painstaking thought and extreme manufacturing care. The Red Top is also made in smokeless type for burning bituminous coals. The same design, that has been used so successfully in Capitol Smokeless Boilers, is embodied in the Smokeless Capitol Red Top, and gives you every assurance of smokeless performance.

RATIONS AND DIMENSIONS "A" Series for All Fuels

Boiler No.	Direct Cast Iron Radiator Loads, Sq. Ft.		Height of Water Line, Inches	Grate Area, Sq. Ft.	Coal Capacity, Cu. Ft.	Outlets	Inlets	Minimum Chimney Sizes	
	Stm.	W.						Height, Feet	Dimensions, Inches
A-6	280	460	42 1/2	1.96	2.78	1-4"	2-3"	30	8x12
A-7	355	585	42 1/2	2.45	3.47	1-4"	2-3"	30	8x12
A-8	430	710	42 1/2	2.94	4.16	1-4"	2-3"	35	8x12
A-9	505	835	42 1/2	3.43	4.86	1-4"	2-3"	35	8x12
A-10	580	960	42 1/2	3.92	5.55	1-4"	2-3"	35	8x12
A-11	655	1085	42 1/2	4.41	6.25	1-4"	2-3"	40	8x12

Height including trimmings 59 3/4 in.; width 32 3/4 in.

"B" Series Anthracite—For All Fuels									
B-6	550	910	46½	3.60	6.11	1-4"	2-4"	35	8x12
B-7	735	1215	46½	4.50	7.71	1-4"	2-4"	35	12x12
B-8	920	1520	46½	5.40	9.12	1-4"	2-4"	35	12x12
B-9	1105	1825	46½	6.30	10.62	1-4"	2-4"	40	12x12
B-10	1290	2130	46½	7.20	12.12	1-4"	2-4"	40	12x16
B-11	1475	2435	46½	8.10	13.62	1-4"	2-4"	45	12x16
B-12	1660	2740	46½	9.00	15.12	1-4"	2-4"	45	12x16

Height including trimmings 65 3/4 in.; width 42 3/4 in.

"B" Series Smokeless—For Soft Coal									
B-9	1105	1825	46 1/2	6.30	...	2-4"	2-4"	40	12x12
B-10	1290	2130	46 1/2	7.20	...	2-4"	2-4"	40	12x12
B-11	1475	2435	46 1/2	8.10	...	2-4"	2-4"	45	12x12
B-12	1660	2740	46 1/2	9.00	...	2-4"	2-4"	45	12x12
B-13	1845	3045	46 1/2	9.90	...	2-4"	2-4"	50	12x12
B-14	2030	3350	46 1/2	10.80	...	3-4"	2-4"	50	12x12

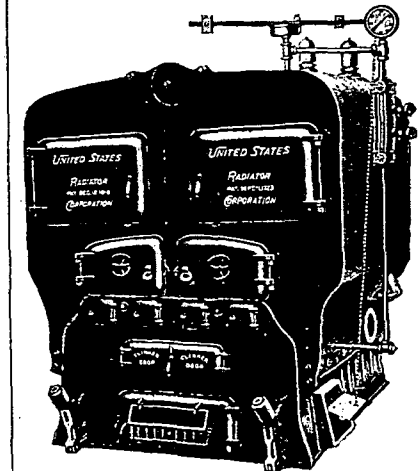
Height including trimmings 65 3/4 in.; width 42 3/4 in.

*See Guarantee.

CAPITOL SMOKELESS BOILERS

"Smokeless" simply means complete combustion. And all of the carbon which forms smoke cannot be burned without the correct amount of air, oxygen.

The auxiliary inlets that supply air for complete combustion in Capitol Smokeless Boilers are not dependent upon the skill, guesswork or memory of the fireman.



No. 1160 Capitol Smokeless Boiler

Their size for each boiler rating is definitely determined in the Capitol Testing Laboratory and permanently fixed at the factory. They need no adjusting. The intensity of the fire itself governs the amount of air drawn in. To further assure accuracy, every Capitol auxiliary inlet is always an integral part of a single boiler section and is never placed between two sections where faulty assembly will cause a variance.

RADIATOR LOADS AND DIMENSIONS FOR SMOKELESS BOILERS

Boiler No.	Direct Cast Iron Radiator Loads, Sq. Ft.		Height of Water Line, Inches	Grate Area, Sq. Ft.	Coal Capacity, Cu. Ft.	Outlets and Inlets	Minimum Chimney Sizes	
	Steam	Water					Height, Feet	Dimensions, Inches
520	600	990	46 1/2	3.48	4.32	2-3"	40	12x12
620	800	1320	46 1/2	4.37	5.42	2-3"	40	12x12
720	1000	1650	46 1/2	5.26	6.52	3-3"	45	12x16
820	1200	1980	46 1/2	6.15	7.62	3-3"	45	12x16

*See Guarantee.

Height including trimmings 66 3/4 in.; width 45 in. Specify if back or top outlet smoke hood is required.

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