

B-Line Boiler Company

East 131st Street at Taft Avenue

Cleveland, Ohio

Manufacturers of Gas Boilers for Hot Water, Steam and Vapor Heating; Hot Water Generators; Accessories

B-Line Gas-Fired Boilers

B-Line Gas-Fired Boilers are built for use in connection with Steam, Vapor or Hot Water systems of heating; Industrial Steam Supply Units, and Volume Water Heating Units.

B-Line Boilers are constructed of cast-iron sections assembled with cast-iron push nipples. The heat absorbing surface is unusually large and arranged so as to transmit practically all available heat into the water.

B-Line Boiler control system is entirely automatic in operation, or semi-automatic, if desired. The controls are mechanical, gas operated type, consisting of a hand control valve; gas pressure regulator; snap action fuel control valve to cut on or off, the fuel supply at a predetermined steam pressure, or water temperature; automatic secondary air control which cuts off the air supply to the combustion chamber when the fire is extinguished, thus eliminating rapid cooling of the boiler sections. Automatic low water fuel cut-off is furnished for steam boilers. Thermostatic pilots are optional.

B-Line Boilers are all fitted with a metal jacketed covering and heavy asbestos insulation. Careful consideration has been given to the means of removing the jacket for cleaning the boiler.

Specifications for B-Line Boilers approved by the American Gas Association follow:

RATINGS—DIMENSIONS

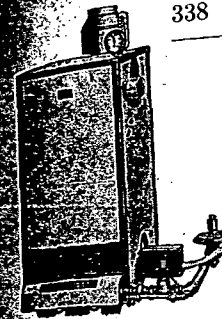
Boiler Number	A.G.A. Steam Rating, Sq. Ft.	A.G.A. Water Rating, Sq. Ft.	Output Btu per Hour	Boiler Horse Power	Floor Space Dimensions Inches		Number and Size Tappings				Flue Openings		Opening Chimney Inches	Gas Connection I. P. S.
					Length	Width	Flows		Returns		No.	Diam. Inches		
							4"	3"	4"	3"				
32	410	650	97,920	2.9	30 1/2	44	2		2		1	6	6	1
43	610	980	146,880	4.4	34 1/2	44	2		2		1	6	6	1
54	820	1300	195,840	5.8	40 1/2	44	2		2		1	7	7	1 1/4
65	1020	1630	244,800	7.3	44 1/2	44	2		2		1	7	7	1 1/4
76	1220	1960	293,760	8.8	48 1/2	44	2		2		2	6	8	1 1/4
87	1430	2280	342,720	10.2	52 1/2	44	2		2		2	6	8	1 1/4
98	1630	2610	391,680	11.7	56 1/2	44	2		2		2	7	9	1 1/2
109	1840	2940	440,640	13.2	64 1/2	45	2		2		2	7	9	1 1/2
1110	2040	3260	489,600	14.6	68 1/2	45	2		2		2	7	9	1 1/2
1211	2240	3590	538,560	16.1	72 1/2	45	2		2		3	7	10	1 1/2
1312	2450	3910	587,520	17.5	76 1/2	45	2	1		1	3	7	10	1 1/2
1413	2650	4240	636,480	19.0	80 1/2	45	2				3	7	12	2
1514	2860	4570	685,440	20.4	84 1/2	45	2	2		2	3	7	12	2
1615	3060	4890	734,400	21.9	88 1/2	45	2	2		2	4	7	12	2
1716	3280	5220	783,360	23.4	92 1/2	45	2	2		2	4	7	12	2
1818	3670	5870	881,280	26.3	100 1/2	45	2	2		2	4	7	14	2
2019	3880	6200	930,240	27.8	104 1/2	45	2	3		2	4	7	14	2
2120	4080	6520	979,200	29.2	118 1/2	45	2	3		2	5	7	14	2 1/2
2322	4490	7180	1,077,120	32.2	126 1/2	45	2	3		2	5	7	14	2 1/2
2524	4900	7830	1,175,040	35.1	136 1/2	45	2	3		2	5	7	16	3
2726	5300	8480	1,272,960	38.0	144 1/2	45	2	3		2	6	7	16	3
2928	5710	9130	1,370,880	40.9	152 1/2	45	2	3		2	6	7	16	3
3130	6120	9790	1,468,800	43.9	160 1/2	45	2	4		2	6	7	18	3
3332	6530	10440	1,566,720	46.9	168 1/2	45	2	4		2	6	7	18	3
3534	6940	11090	1,664,640	49.7	176 1/2	45	2	4		2	7	7	18	3
3736	7340	11740	1,762,560	52.7	184 1/2	45	2	5		2	8	7	20	3
3938	7750	12400	1,860,480	55.7	192 1/2	45	2	5		2	8	7	20	3
4140	8160	13050	1,958,400	58.5	200 1/2	45	2	5		2	8	7	20	3

Height of all boilers to top of draft hood—62 1/2 in.; to top of covering—54 in.; to center of flow—48 1/2 in.; to center of return—16 1/2 in.; to water line—40 in. Horizontal distance, center flow to center return—25 in. 3 in. return connections standard on water boilers only.

L. J. Mueller Furnace Co.

ESTABLISHED 1857

338 So. Second St., Milwaukee, Wis.



Gas-Era Boiler

Gas-Era Gas-Fired Boilers

Adaptable for steam or hot water heating. Completely automatic operation. Cast iron construction for durability, with asbestos-lined metallic jacket. Vertical burner adjustment permits use with any manufactured or natural gas. Have steady water line and will not prime. Interior surfaces may be thoroughly cleaned without disturbing jacket. Multiple unit construction permits increase in size when desired. Boiler is highly efficient, securing maximum heat utilization with minimum gas consumption.

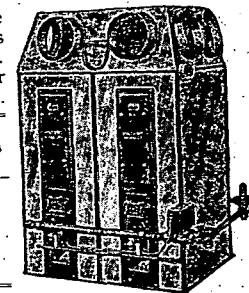
HOT WATER		STEAM		Floor Space Inches	Vents		Size Gas Connection Required	
Boiler No.	A.G.A. Rating	Boiler No.	A.G.A. Rating		Number	Diameter Inches	Manufactured Gas	Natural Gas
13-W	670	13-S	420	31 1/4 x 46 1/2	1	4	1 1/4	1
25-W	1,340	25-S	840	39 x 47 1/8	1	7	1 1/2	1 1/4
37-W	2,010	37-S	1,260	46 3/4 x 51 7/8	1	9	2	1 1/4
49-W	2,680	49-S	1,680	54 1/2 x 53 3/8	1	10	2	1 1/2
511-W	3,350	511-S	2,100	62 1/4 x 54 3/4	1	11	2	1 1/2
613-W	4,020	613-S	2,520	70 x 51 1/8	2	9	2	1 1/2
715-W	4,690	715-S	2,940	79 3/4 x 53 3/8	2	10	2	2
817-W	5,360	817-S	3,360	87 1/2 x 53 3/8	2	11	2	2
919-W	6,030	919-S	3,780	95 1/4 x 54 3/4	2	11	2	2
1021-W	6,700	1021-S	4,200	103 x 54 3/4	2	12	2	2
1123-W	7,370	1123-S	4,620	110 3/4 x 56 3/8	3	10	2 1/2	2
1225-W	8,040	1225-S	5,040	120 1/2 x 53 3/8	3	11	2 1/2	2
1327-W	8,710	1327-S	5,460	128 1/4 x 54 3/4	3	11	2 1/2	2
1429-W	9,380	1429-S	5,880	136 x 54 3/4	3	11	2 1/2	2
1531-W	10,050	1531-S	6,300	143 3/4 x 54 3/4	3	14	2 1/2	2 1/2
1634-W	10,720	1634-S	6,720	87 1/2 x 107 1/4	2	16	3	2 1/2
1736-W	11,390	1736-S	7,140	95 1/4 x 109 1/2	2	17	3	2 1/2
1838-W	12,060	1838-S	7,560	103 x 109 1/2	2	16	3	2 1/2
1940-W	12,730	1940-S	8,400	110 3/4 x 112 1/4	2	17	3 1/2	3
2042-W	13,400	2042-S	8,820	120 1/2 x 107 1/4	3	14	3 1/2	3
2144-W	14,070	2144-S	9,240	128 1/4 x 109 1/2	3	16	3 1/2	3
2246-W	14,740	2246-S	10,080	136 x 109 1/2	3	16	3 1/2	3
2348-W	15,410	2348-S	10,920	143 3/4 x 109 1/2	3	16	3 1/2	3
2450-W	16,080	2450-S	11,760					
2552-W	16,750	2552-S	12,600					
2654-W	17,420	2654-S						
2756-W	18,090	2756-S						
2858-W	18,760	2858-S						
2960-W	19,430	2960-S						
3062-W	20,100	3062-S						

Gas-Era Gas-Fired Warm Air Furnace

Cast iron construction, with lacquered casing in attractive color. Completely automatic, tamper-proof operation. Burns any gas, natural or manufactured. Accessible for cleaning. Ample free area. Automatic moisture supply. Adaptable for forced air heating on large jobs. Multiple unit construction.

Furnace No.	A.G.A. Input Rating B.t.u. per Hour	Total Load B.t.u. per Hour	Capacity Warm Air Pipes Sq. In.
1 (10)*	65,000	47,500	430
2 (20)	130,000	95,000	860
3 (30)	195,000	142,500	1290
4 (40)	260,000	190,000	1720
5 (50)	325,000	237,500	2150
6 (60)	390,000	285,000	2580

*Same furnace, less electrical equipment and automatic humidifier. Data on larger units on application.



Gas-Era Furnace

Gas-Era Furnaces and Boilers tested and approved for all sizes by American Gas Association