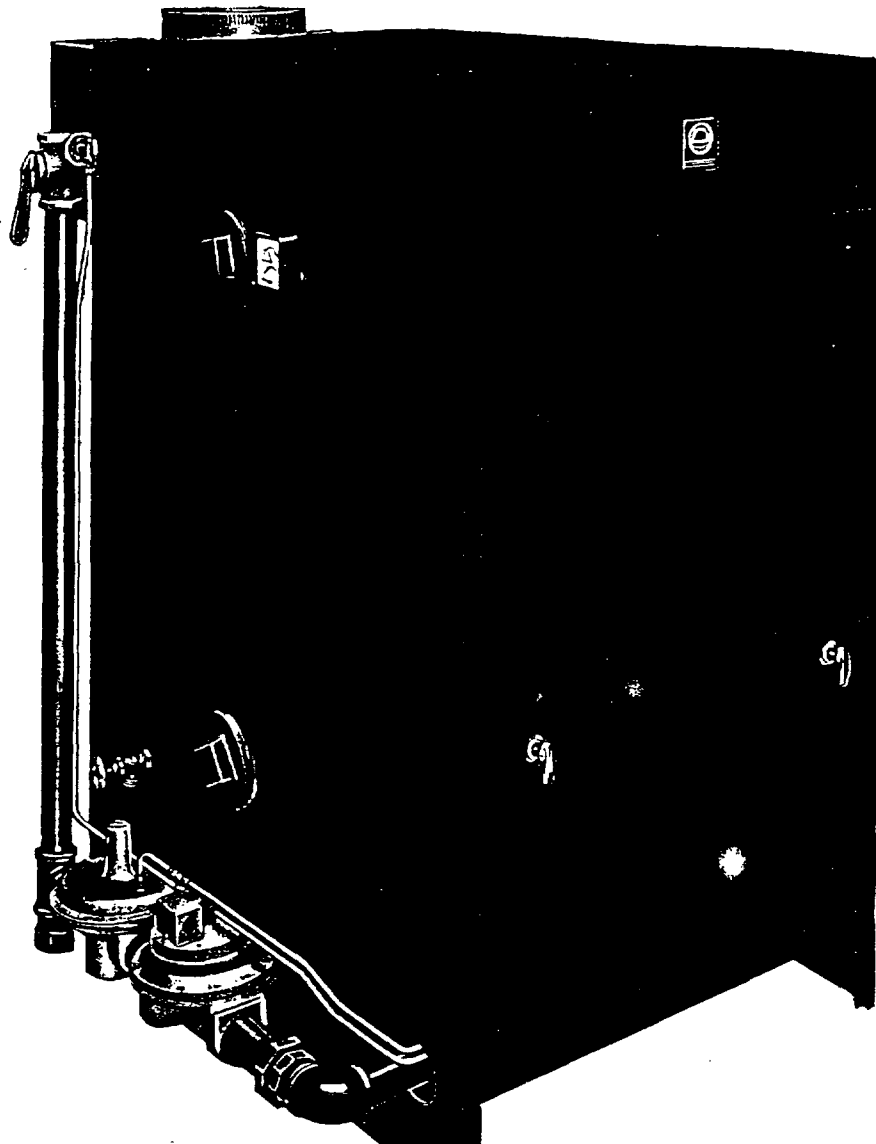




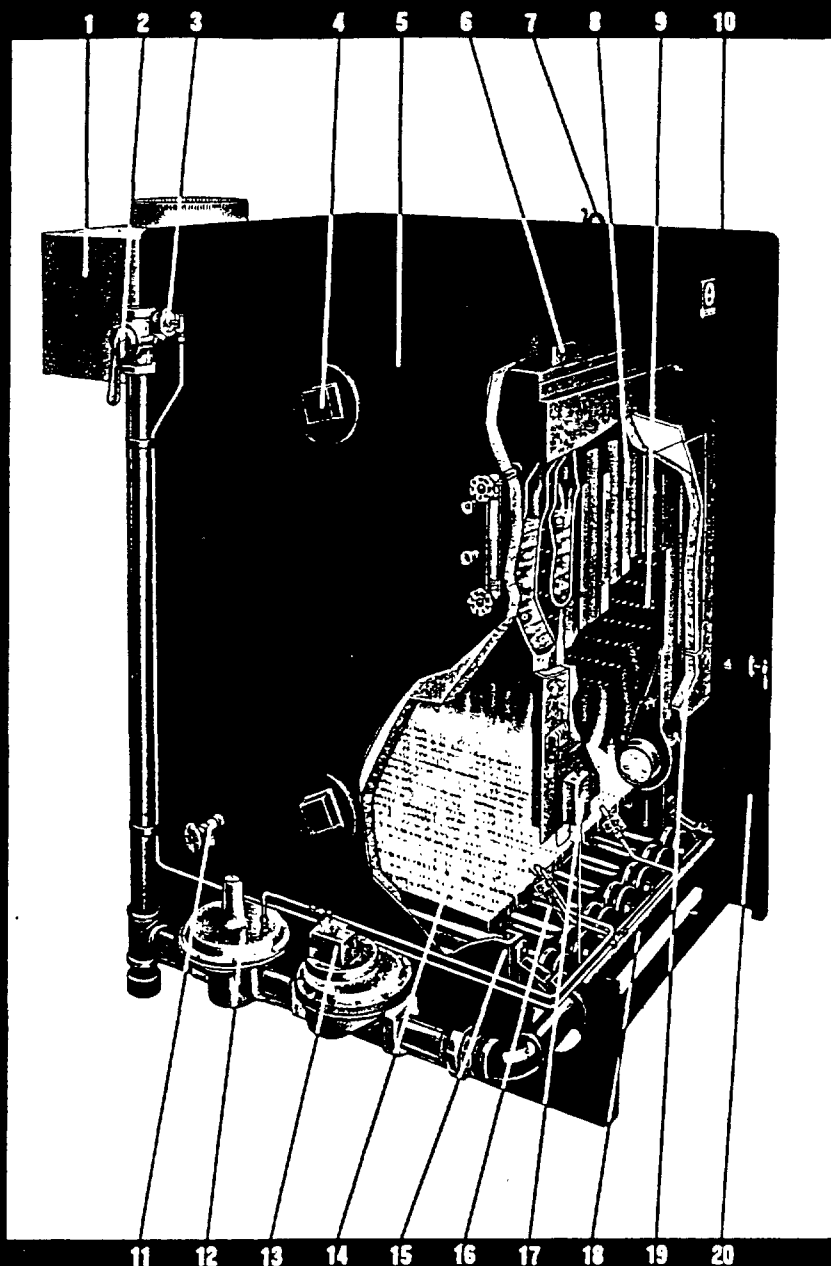
AMERICAN-Standard G-6
automatic gas-fired boilers

AMERICAN-Standard

hot water heat

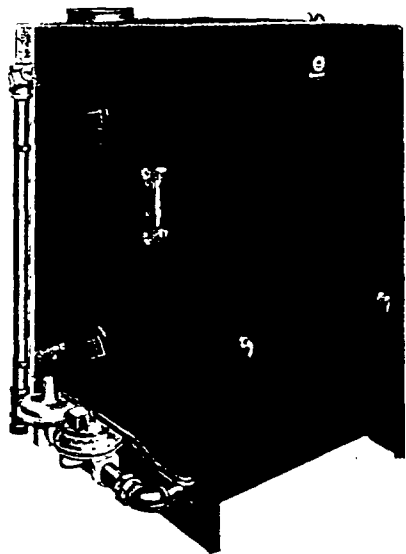
AMERICAN-Standard G-6 gas

- 1 **integral drafthood**—prevents excessive updrafts or downdrafts from affecting proper combustion. Located at rear of jacket giving boiler a low overall height of 65" for all sizes.
- 2 **manual shutoff valve**—provides positive control of main gas supply to burners.
- 3 **pilot filter**—prevents dirt, gum or other foreign matter from clogging pilot tube or pilot. (Not supplied for LP-Gas.)
- 4 **tappings**—various tapping arrangements allow maximum flexibility in system piping.
- 5 **jacket**—sturdy 20-gauge steel. Styled with modern, small radius corners and sprayed with harmonizing Forge Red hammer finish. Jacket encloses manifold, canopy and principal controls.
- 6 **flue canopy**—forms a gas-tight connection between boiler flue passages and drafthood. Canopy completely enclosed by boiler jacket.
- 7 **safety valve**—prevents steam pressure from exceeding 15 psi. Supplied as regular equipment on all steam boilers.
- 8 **cleanout plates**—easily removed cover plates provide ready access for cleaning flue surfaces with brush. Cleanout panel on jacket allows access to boiler sections without removing entire boiler jacket.
- 9 **sections**—of durable cast iron. Each intermediate and center flue surface studded with over 1200 pinlike projections which absorb maximum heat from rising gases, transferring this heat to boiler water.
- 10 **vestibule vent**—permits unrestricted air circulation through vestibule.
- 11 **drain cocks**—conveniently located on both right and left sides of boiler.
- 12 **gas pressure regulator**—maintains uniform gas pressure to main burners regardless of pressure in outside gas lines. Equipped with venting device which is attached firmly to pilot burner. Not required for LP-Gas.
- 13 **automatic gas valve**—A.G.A. listed, electrically operated, automatic diaphragm type valve. Can be manually operated and recycles automatically in case of current interruptions.
- 14 **burners**—precision made and factory tested for quiet, economical operation with each type of gas. Cast iron, raised rib, drilled port burners regularly furnished for natural gas. Ribbon burners supplied for all other gases.
- 15 **cast iron base**—firmly supports boiler sections and burners, facilitating installation.
- 16 **venturi mixer tube**—induces proper velocity to gas and primary air. Adjustable air shutter assures correct mixture of gas and air for efficient combustion.
- 17 **automatic pilot switch**—prevents flow of gas to main burners if pilot goes out. Special control for 100% safety shut-off supplied for LP-Gas and LP-Gas Air Mixtures (525-1400 Btu).
- 18 **manifold**—factory assembled and rigidly fastened to base by cast iron clamps. Manifold completely enclosed by boiler jacket.
- 19 **insulation**—heavy layer of fiberglass insulation for minimum heat loss through jacket. Cemented to inside of boiler jacket at factory.
- 20 **front jacket panel**—provides easy accessibility to burners and controls within boiler jacket. Quickly removed by simply turning the hand-rime chrome-plated handles.



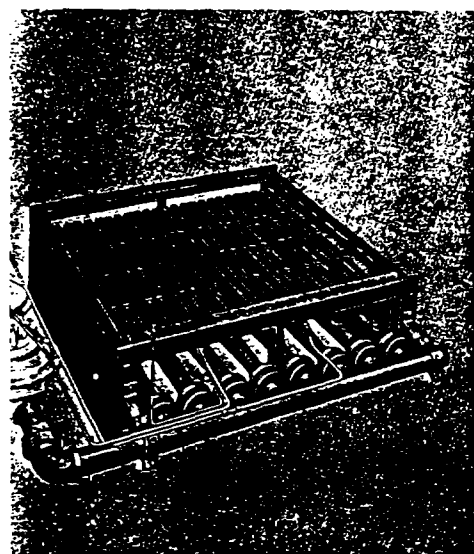
The American-Standard G-6 Boiler is approved by the American Gas Association for all gases and is constructed to the specifications of the American Society of Mechanical Engineers.

oilers...for efficiency...economy...durability



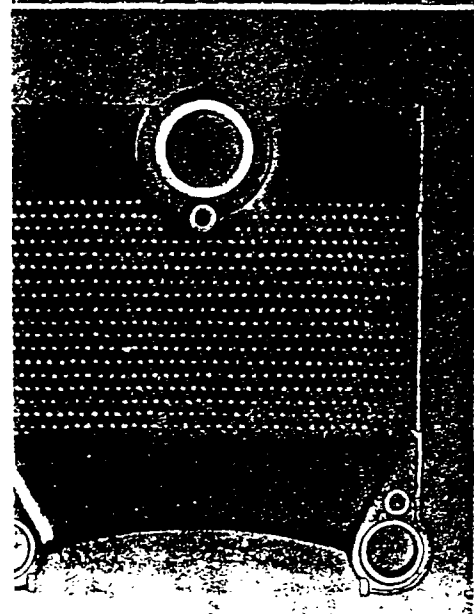
modern heating for large buildings

Designed with all major components under the jacket enclosure, the American-Standard G-6 boiler is ideal for installations such as schools, apartments and office buildings where a large heating unit is required yet attractive appearance and compact size are desirable. By placing the drafthood at the rear of the boiler, the overall height of the G-6 is kept at a low 65" for all models—even the largest size. All manifold piping is also enclosed by the jacket thus presenting a clean, attractive appearance in any setting. The jacket itself is styled with small radius corners and sprayed with American-Standard's easy-to-clean Forge Red hammer finish. It can be assembled after all water or steam piping has been installed. Both right and left jacket end panels are identical for all sizes of boilers.



fast, low-cost installation

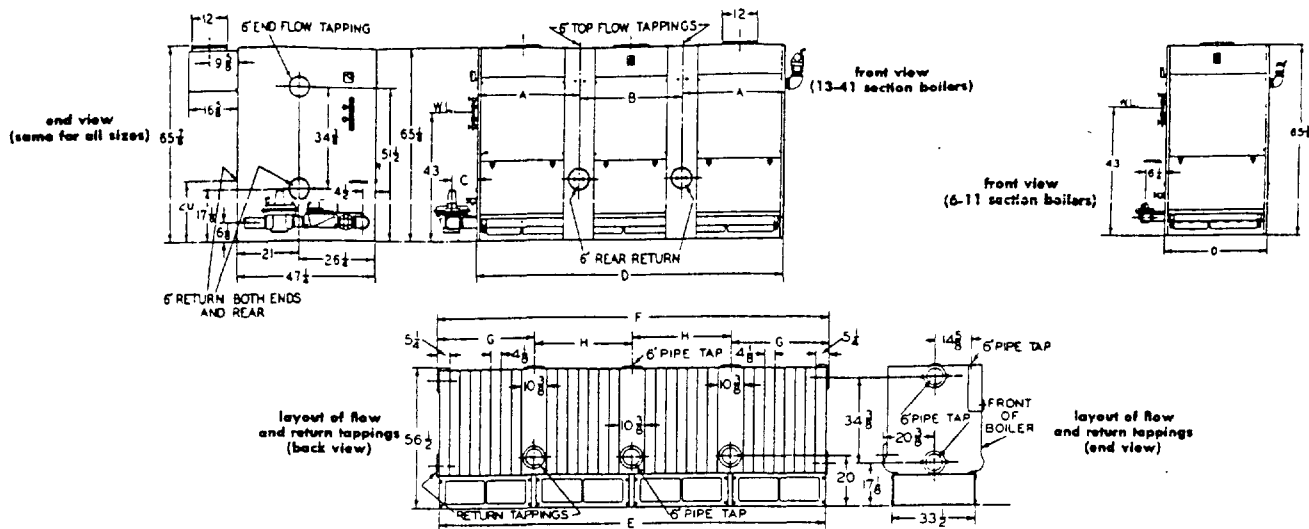
Simplicity of installation is one of the principal features of the new G-6 boiler. A cast iron base serves as the support for the boiler sections and burners, eliminating the need for propping the sections on wooden boxes or crates during assembly. The burners and mixing tubes are placed inside the boiler base and are rigidly supported at the correct height by a spacing bar. The boiler sections are then bolted together directly on the cast iron base. For time and labor saving installation, controls, valves, and control piping are sub-assembled at the factory.



long life—economical operation

Constructed of durable cast iron to ASME specifications, the boiler sections of the G-6 are designed to give years of efficient, dependable service. Numerous pinlike projections—over 1200 on each center and intermediate section—stud the flue surfaces to extract the greatest possible heating value from the hot flue gases. These many projections give the sections a heating area that could be equaled only by much larger flat-surfaced sections. And the multiple section design of the G-6 permits almost exact sizing of boilers in a wide range of installations. By varying the number of sections on the G-6 boiler, it is possible to obtain various inputs between 650,000 and 5,200,000 Btuh. The input per flue passage is 130,000 Btuh. Many optional outlet and return tapings are made available with G-6 boiler sections to provide maximum flexibility in system piping.

dimensions (inches) and layout of flow and return tappings



Boiler Number	A	B and H	C approx.	D	E	F	G	Number of Burners	Number of Draft hoods	Number of Flue Outlets	Number of Sections			Number of Top Flow Tappings	Number of End Flow Tappings	Number of Back Return Tappings	Number of End Return Tappings
											Ends	Inter-mediate	Centers				
G-66	...	...	6 1/4	27 1/4	25	27	...	5	1	1	2	0	4	0	2	0	2
G-67	...	...	6 1/4	31 1/4	29 1/4	31 1/4	...	6	1	1	2	0	5	0	2	0	2
G-68	...	...	6 1/4	35 1/4	33 1/4	35 1/4	...	7	1	1	2	0	6	0	2	0	2
G-69	...	...	6 1/4	39 1/4	37 1/4	39 1/4	...	8	1	2	2	0	7	0	2	0	2
G-610	...	...	6 1/4	43 1/4	41 1/4	43 1/4	...	9	1	2	2	0	8	0	2	0	2
G-611	...	...	6 1/4	47 1/4	45 1/4	47 1/4	...	10	1	2	2	0	9	0	2	0	2
G-613	31 1/4	...	6 1/4	62 1/4	60 1/4	62 1/4	31 1/4	12	2	2	2	1	10	1	2	1	2
G-615	35 1/4	...	8 1/4	70 1/4	68 1/4	70 1/4	35 1/4	14	2	2	2	1	12	1	2	1	2
G-617	39 1/4	...	8 1/4	78 1/4	76 1/4	78 1/4	39 1/4	16	2	4	2	1	14	1	2	1	2
G-619	43 1/4	...	8 1/4	87 1/4	84 1/4	87 1/4	43 1/4	18	2	4	2	1	16	1	2	1	2
G-621	47 1/4	...	8 1/4	95 1/4	93 1/4	95 1/4	47 1/4	20	2	4	2	1	18	1	2	1	2
G-622	35 1/4	35 1/4	8 1/4	105 1/4	103 1/4	105 1/4	35 1/4	21	3	3	2	2	18	2	2	2	2
G-625	39 1/4	39 1/4	8 1/4	118 1/4	115 1/4	117 1/4	39 1/4	24	3	6	2	2	21	2	2	2	2
G-628	43 1/4	43 1/4	8 1/4	130 1/4	128 1/4	130 1/4	43 1/4	27	3	6	2	2	24	2	2	2	2
G-631	47 1/4	47 1/4	8 1/4	142 1/4	140 1/4	142 1/4	47 1/4	30	3	6	2	2	27	2	2	2	2
G-633	39 1/4	39 1/4	8 1/4	157 1/4	155 1/4	157 1/4	39 1/4	32	4	8	2	3	28	3	2	3	2
G-637	43 1/4	43 1/4	8 1/4	173 1/4	171 1/4	173 1/4	43 1/4	36	4	8	2	3	32	3	2	3	2
G-641	47 1/4	47 1/4	8 1/4	190 1/4	188 1/4	190 1/4	47 1/4	40	4	8	2	3	36	3	2	3	2

ratings for hot water and steam (all gases)

Boiler Number	FOR INSTALLATIONS AT SEA LEVEL AND ELEVATIONS UP TO 2000 FT							FOR INSTALLATIONS AT ELEVATIONS 2000 FT TO 5000 FT*						
	A.G.A. Input Mbh	A.G.A. Output Mbh	A.G.A. Output Steam sq ft	A.G.A. Output Water sq ft	Net Installed Rating†			A.G.A. Input Mbh	A.G.A. Output Mbh	A.G.A. Output Steam sq ft	A.G.A. Output Water sq ft	Net Installed Rating†		
					Steam sq ft	Water						Steam sq ft	Water	
						Mbh	sq ft						Mbh	sq ft
G-66	650	520	2160	3470	1520	392	2610	550	440	1830	2930	1270	331	2200
G-67	780	624	2600	4160	1840	468	3130	660	528	2200	3520	1540	396	2640
G-68	910	728	3030	4850	2170	545	3650	770	616	2570	4110	1820	463	3080
G-69	1040	832	3460	5550	2510	623	4170	880	704	2930	4690	2100	529	3520
G-610	1170	936	3900	6240	2850	701	4690	990	792	3300	5280	2380	594	3960
G-611	1300	1040	4330	6930	3200	781	5210	1100	880	3670	5870	2670	662	4400
G-613	1560	1248	5200	8320	3900	936	6250	1320	1056	4400	7040	3250	792	5280
G-615	1820	1456	6070	9710	4620	1109	7390	1540	1232	5130	8210	3840	923	6160
G-617	2080	1664	6930	11090	5340	1282	8550	1760	1408	5870	9390	4450	1068	7120
G-619	2340	1872	7800	12480	6040	1450	9670	1980	1584	6600	10560	5060	1214	8100
G-621	2600	2080	8670	13870	6720	1613	10770	2200	1760	7330	11730	5680	1363	9080
G-622	2730	2184	9100	14560	7060	1694	11300	2310	1848	7700	12320	5980	1435	9540
G-625	3120	2496	10400	16640	8080	1939	12920	2640	2112	8800	14080	6840	1642	10900
G-628	3510	2808	11700	18720	9080	2179	14530	2970	2376	9900	15840	7680	1843	12260
G-631	3900	3120	13000	20800	10100	2424	16150	3300	2640	11000	17600	8540	2050	13620
G-633	4160	3328	13870	22190	10750	2580	17230	3520	2816	11730	18770	9100	2184	14530
G-637	4680	3744	15600	24960	12100	2904	19380	3960	3168	13200	21120	10250	2460	16350
G-641	5200	4160	17330	27730	13450	3228	21530	4400	3520	14670	23470	11400	2736	18160

*For altitudes above 5000 ft, high altitude ratings should be reduced at the rate of 4% for each 1000 ft above 5000 ft.
†The ratings of these boilers represent the maximum net loads that may be connected to the boilers. Allowances have been made for normal piping and pick-up loads.



Plumbing and Heating Division
AMERICAN RADIATOR & STANDARD SANITARY CORPORATION
Pittsburgh 30, Pa.