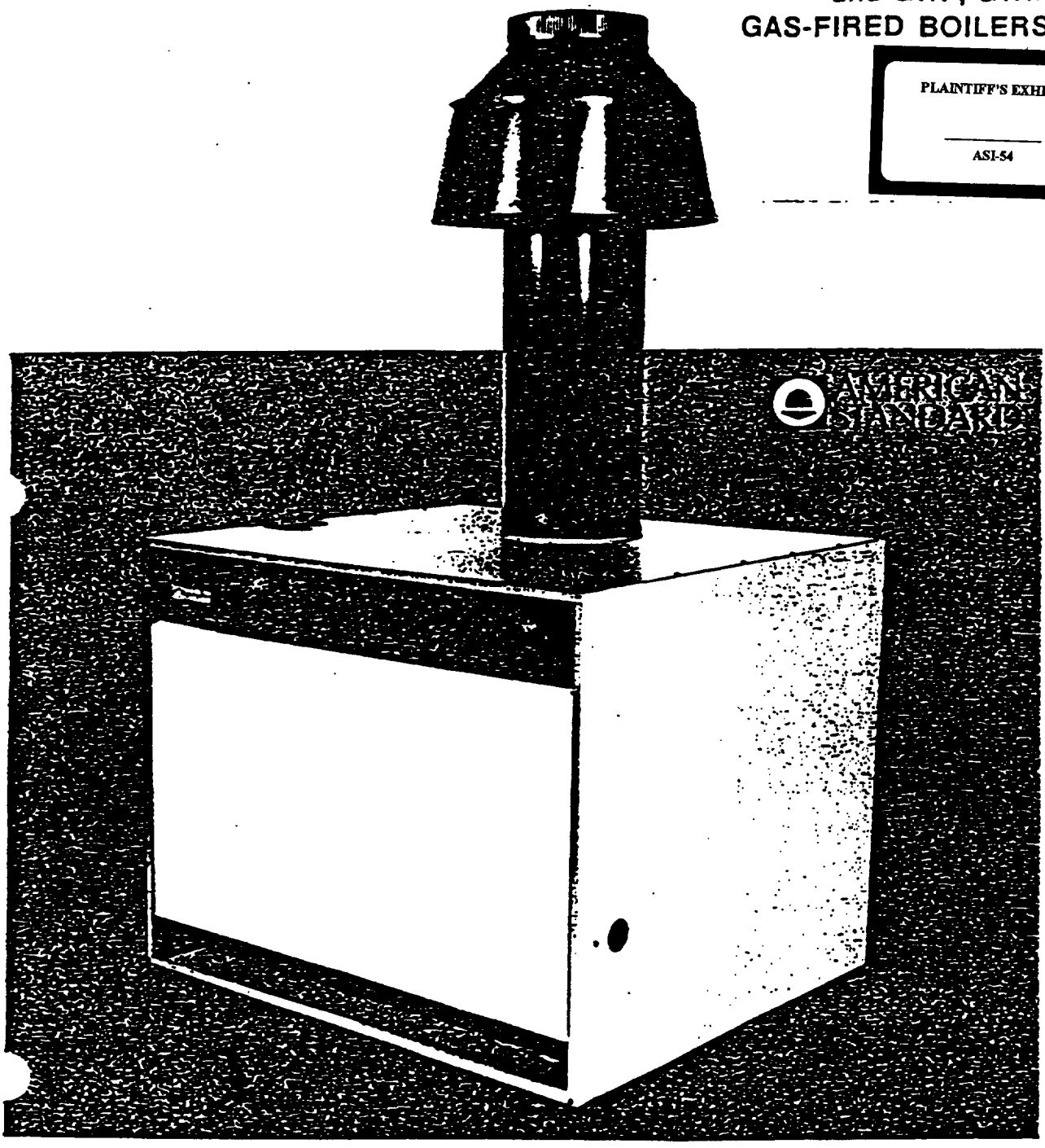
TECHNICAL CATALOG BULLETIN

GW

and GWP, GWM
GAS-FIRED BOILERS

PLAINTIFF'S EXHIBIT

ASI-54



A.I.A. File No. 30-C-1

(December, 1970)

GW SERIES—CAST-IRON BOILERS WITH THE FLEXIBILITY TO ADAPT TO YOUR NEEDS

Compact design and construction of the GW Series boiler make it ideal for new construction or modernization.

GW boilers—are available in 8, 9 and 10 sections; are shipped with jackets, burners and manifolds removed.

GWP boilers—are available in 5, 6 and 7 sections; are shipped with jackets on and burners installed.

GWM boilers—are available in 5, 6 and 7 sections and designed for multi-unit application. When shipped, burners are installed, but individual jackets are removed.

Basic design of the units, capabilities and operation in other respects, are all similar.

Vertical section design provides the maximum surface for heat transfer efficiency . . . just connect water, fuel and electricity and it's ready for operation . . . cuts installation time to a minimum.

Offering the widest available range of inputs (from 264,000 Btuh to any size desired by combining units).

ELIMINAIRE®—a patented, cost-saving feature. This unique built-in air eliminator is integrally cast into the left-hand end section. Furnished with all boilers, the ELIMINAIRE baffle diverts rising air bubbles into a tapping for connection to the expansion tank. No external device is required to separate air and water, thus reducing both cost and installation time.

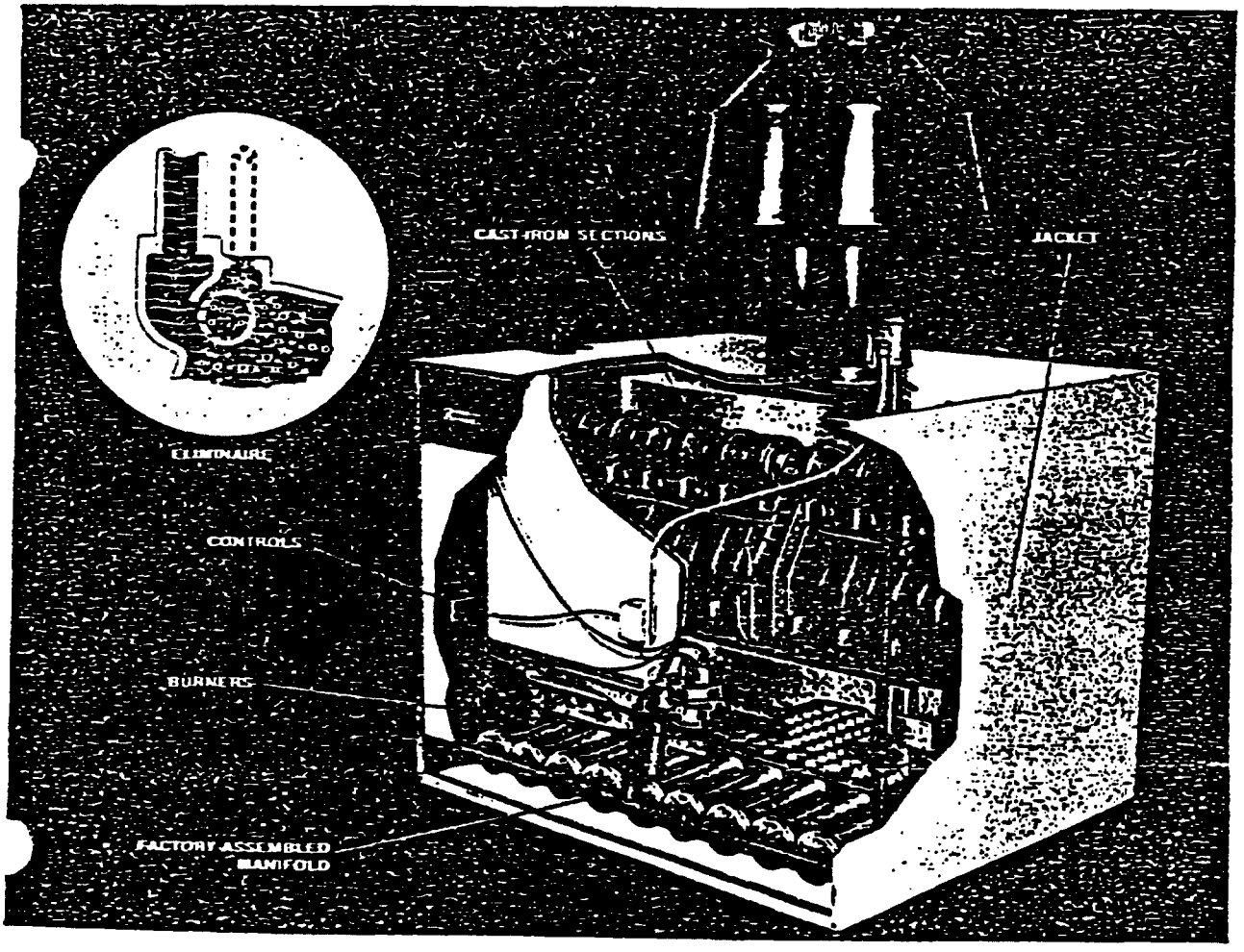
CONTROLS—mounted on front, left side of boiler for easy adjustment.

JACKET—is constructed of sturdy steel with a smart beige and brown finish. Inner surfaces are protected with heavy fiber glass insulation to prevent wasteful heat loss and to keep the jacket cool.

CAST-IRON SECTIONS—provide standard boiler working pressure of 50 psi; 100 psi working pressure is optional. Multiple pin-type projections permit maximum heat-extraction efficiency.

BURNERS—durable, cast-iron, drilled port burners are standard equipment for natural gas. Cleanable ribbon burners are standard for propane gas and optional for natural gas. All burners have the same rating, regardless of gas type used.

FACTORY-ASSEMBLED MANIFOLD—factory mounted on GWP and GWM boilers; requires only attachment on GW non-packaged boilers.



RATINGS—for Natural and Propane Gases

Boiler Type	Boiler Model Number	Input (MBH)	Output (MBH)	I=B=R Rating (MBH)	Number of Burners	Diameter (Inches)	Height (Feet)	Water Content (Gallons)	Weight (Pounds)	Combustion Chamber Volume (Cubic Feet)
GWP BOILERS	GWP-5	284	211	195	3	9	20	16	215	1.5
	GWP-6	330	284	230	4	9	20	18	243	2.0
	GWP-7	396	317	275	5	9	20	21	263	2.5
GW BOILERS	GW-6	462	387	344	7	9	20	25	317	3.0
	GW-8	528	422	367	8	10	20	29	356	3.5
	GW-10	594	478	414	9	10	20	33	391	4.0
GWM BOILERS	GWM-5	284	211	195	3	9	20	16	215	1.5
	GWM-6	330	284	230	4	9	20	18	243	2.0
	GWM-7	396	317	275	5	9	20	21	263	2.5

Ribbon burners are standard for propane gas and optional for natural gas. Boilers equipped with ribbon burners are designated by the suffix R. (Example: GWP-6R.)

A.S.H.A.E. ratings are based on 88,000 Btu/Hr. input per burner. Piping and pickup factor in all cases is 1.15.

GWM—MODULAR BOILER HOOKUP*

Model Number	Input (MBH)	Output (MBH)	Net I=B=R Rating (MBH)	Number of Burners	Diameter (Inches)	Height (Feet)	Water Content (Gallons)	Boilers in Arrangement: No. of 5-Section Boilers	No. of 6-Section Boilers	No. of 7-Section Boilers
GWM-528	528	422	367	8	9	20	29.8	2	0	0
GWM-594	594	475	414	9	9	20	25.8	1	1	0
GWM-660	660	528	459	10	9	20	27.8	0	2	0
GWM-726	726	581	504	11	10	20	29.8	0	1	1
GWM-792	792	634	551	12	10	20	31.8	0	0	2
GWM-858	858	686	597	13	11	20	37.7	2	1	0
GWM-924	924	739	644	14	11	20	39.7	1	2	0
GWM-990	990	792	689	15	12	20	41.7	0	3	0
GWM-1056	1056	845	734	16	12	20	43.7	0	2	1
GWM-1122	1122	879	781	17	12	20	45.7	0	1	2
GWM-1188	1188	950	826	18	12	20	47.7	0	0	3
GWM-1254	1254	1003	873	19	14	20	53.6	1	3	0
GWM-1320	1320	1056	918	20	14	20	55.6	0	4	0
GWM-1386	1386	1108	964	21	14	20	57.6	0	3	1
GWM-1452	1452	1162	1010	22	14	20	59.6	0	2	2
GWM-1518	1518	1214	1056	23	14	20	61.6	0	1	3
GWM-1584	1584	1267	1103	24	14	20	63.6	0	0	4
GWM-1650	1650	1320	1148	25	14	20	69.5	0	5	0
GWM-1716	1716	1373	1193	26	15	20	71.5	0	4	1
GWM-1782	1782	1426	1240	27	15	20	73.5	0	3	2
GWM-1848	1848	1478	1285	28	15	20	75.5	0	2	3
GWM-1914	1914	1531	1332	29	15	20	77.5	0	1	4
GWM-1980	1980	1584	1376	30	16	20	79.5	0	0	5
GWM-2046	2046	1637	1423	31	16	20	85.4	0	5	1

*Modular boiler arrangements are made up of a combination of GWM 5-, 6- and 7-section boilers, as indicated in the table above.

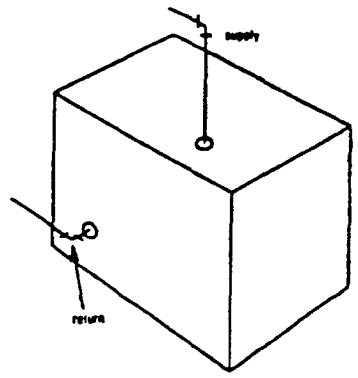
GW—MODULAR BOILER HOOKUP**

Model Number	Input (MBH)	Output (MBH)	Net I=B=R Rating (MBH)	Number of Burners	Diameter (Inches)	Height (Feet)	Water Content (Gallons)	Boilers in Arrangement: No. of 8-Section Boilers	No. of 9-Section Boilers	No. of 10-Section Boilers
GW-924	924	739	644	14	11	20	34.8	2	0	0
GW-990	990	792	689	15	12	20	36.8	1	1	0
GW-1056	1056	845	734	16	12	20	38.8	0	2	0
GW-1122	1122	879	781	17	12	20	40.8	0	1	1
GW-1188	1188	950	826	18	12	20	42.8	0	0	2
GW-1254	1254	1003	873	19	14	20	—	(Not available—use GWM)		
GW-1320	1320	1056	918	20	14	20	—			
GW-1386	1386	1108	964	21	14	20	52.7	3	0	0
GW-1452	1452	1162	1010	22	14	20	54.7	2	1	0
GW-1518	1518	1214	1056	23	14	20	56.7	1	2	0
GW-1584	1584	1267	1103	24	14	20	58.7	0	3	0
GW-1650	1650	1320	1148	25	14	20	60.7	0	2	1
GW-1716	1716	1373	1193	26	15	20	62.7	0	1	2
GW-1782	1782	1426	1240	27	15	20	64.7	0	0	3
GW-1848	1848	1478	1285	28	15	20	69.6	4	0	0
GW-1914	1914	1531	1332	29	15	20	71.6	3	1	0
GW-1980	1980	1584	1376	30	16	20	72.6	2	2	0
GW-2046	2046	1637	1423	31	16	20	74.6	1	3	0

**Modular boiler arrangements are made up of a combination of GW 8-, 9- and 10-section boilers, as indicated in the table above.

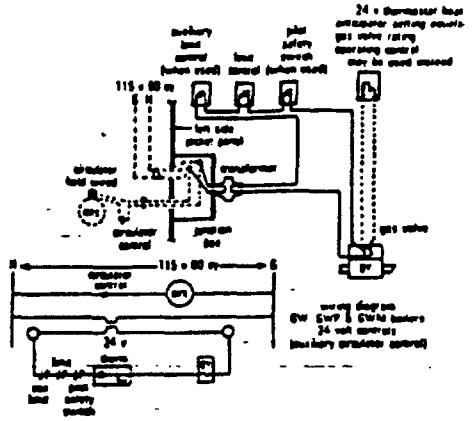
AMERICAN STANDARD

MINIMUM PIPING RECOMMENDATIONS



Boiler	Number	Supply	Return
GWP BOILERS	GWP-5	1½"	1½"
	GWP-6	1½"	1½"
	GWP-7	2"	2"
GW BOILERS	GW-8	2"	2"
	GW-9	2"	2"
	GW-10	2"	2"

BASIC WIRING DIAGRAM



CRATED DIMENSIONS

GWP and GW Boiler Number	Dimensions Height	Width	Depth	Approx. Ship. Wt. (lbs.)
5-section	35"	23½"	36"	629
6-section	35"	27½"	36"	735
7-section	35"	29½"	36"	846

