

Aquatatic Chemical & Metallurgical Engineers

114 East 32nd Street



New York, N. Y.

Water Treatments
for CorrectingRust, Scale, Foaming and
Related Water TroublesAn Organization of Water Treatment Experts Announces Two
New A. C. M. E. Developments to Eliminate Metal Deterioration in

1. STREET STEAM SYSTEMS

Having successfully treated corrosion in marine and stationary high pressure boiler plants, A. C. M. E. undertook the correction of a serious problem of corrosion existing in the street steam heating system in one of the largest buildings in the world. Nearly three years of intensified chemical and engineering research resulted in the perfection of a unique and wholly new A. C. M. E. Service.

This consists of an exact proportioning mechanism and chemicals (patent applied for) which protect the entire heating system by reaching every point in accurate proportions. These A. C. M. E. Treatments contain no heat retarding ingredients.

2. AIR CONDITIONING SYSTEMS

The presence of a very large amount of air, with its many impurities, dissolved in the water used in air conditioning plants accelerates the corrosion many fold. This results in a very real and serious problem. A. C. M. E. Air Conditioning Treatment protects all parts which come in contact with water by using regulated amounts of proper chemicals. The percentages of each and the relation of one to another are maintained by our automatic feeding device. These Treatments are not poisonous regardless of the amounts used and therefore can be handled and used safely.

Red brown particles in water indicate corrosion. Our analysis will determine accurate conditions. Bottles sent on request. (No charge).

- Results:**
1. Eliminates corrosion and erosion in the entire heating system. Tests show A. C. M. E. treated metals last at least 8 to 10 times longer than untreated metals. See our Street Steam Reports.
 2. Saves at least 7 per cent on steam by keeping traps clean.
 3. Saves electricity. Clean traps do not permit "blowing through" thus shortening vacuum pump operation.
 4. Pays for itself in longer equipment life and smoother operation of system by stopping costly renewal of pipe and reconstruction work.

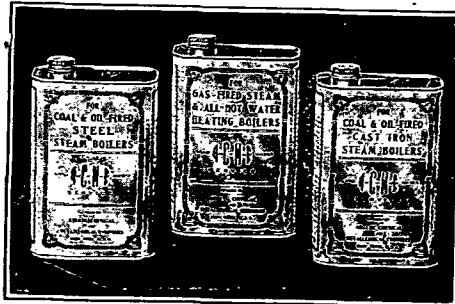
A. C. M. E. Treatments for Boiler Heating Systems

Instead of depending on a single preparation for all boilers and all troubles, three specially prepared A. C. M. E. products are now available. See picture below.

The Action of A. C. M. E. Boiler Heating Treatments is to mix with the steam in the form of small bubbles. This has a washing effect on the entire system (air valves, traps, hot water heaters and auxiliaries), bringing all loosened oil, rust and dirt particles back into boiler. These particles are kept in a chemical and physical colloidal suspension until blown out, according to directions in our No. 1 L. P. Bulletin.

A. C. M. E. ingredients do not settle out in the boiler, and cause clogging.

RECOMMENDED AND USED BY LEADING HEATING AND VENTILATING ENGINEERS

A Clean Heating
System

No Priming

Fuel Savings
Up to 25%More Steam at
Lower Boiler
Pressures

Quicker Steam

Stops Rust
and Prevents
Cracking.

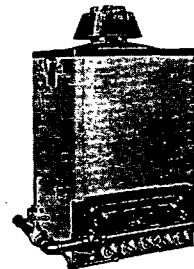
A. C. M. E. Users are Impressed by Positive Results

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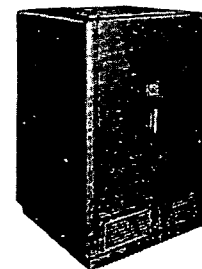
American Gas Products Corporation

Division of American Radiator & Standard Sanitary Corporation

40 West 40th Street, New York, N. Y.

Gas Boilers for Hot Water . . . Steam and Vapor Heating . . . Automatic Hot
Water Storage Heaters . . . Air Conditioners . . . Gas Fired Steam Radiators

Standard Ideal



Empire Ideal

Approved by
A. G. A. Laboratory
for Steam, Vapor
or Hot Water
Heating Systems.
Ratings Below.

Specifications for Standard Ideal and Empire Ideal Gas Boilers

STEAM BOILERS					WATER BOILERS				
Steam Boiler Number	A.G.A. Steam Rating Sq. Ft.	Supplies Sq. Ft. Direct C. I. Radiation	No. and Size of Tappings		Water Boiler Number	A.G.A. Water Rating Sq. Ft.	Supplies Sq. Ft. Direct C. I. Radiation	No. and Size of Tappings	
			Supply In.	Return In.				Supply In.	Return In.
0-GS-4	270	173	2-2 1/2	1-1 1/2	1-GA-4	210	135	2-1 1/2	2-1 1/2
0-GS-5	360	230	2-2 1/2	1-1 1/2	1-GA-5	280	180	2-1 1/2	2-1 1/2
0-GS-6	450	289	2-2 1/2	1-1 1/2	1-GA-6	350	225	2-1 1/2	2-1 1/2
0-GS-7	540	346	2-2 1/2	1-1 1/2	1-GA-7	420	270	2-1 1/2	2-1 1/2
0-GS-4-E	255	163	1-3	1-3	2-GA-4	420	270	1-2 1/2	1-2 1/2
0-GS-5-E	340	218	1-3	1-1 1/2	2-GA-5	560	359	1-2 1/2	1-2 1/2
0-GS-6-E	425	272	1-3	1-1 1/2	2-GA-6	700	449	1-2 1/2	1-2 1/2
0-GS-7-E	510	327	2-3	2-1 1/2	2-GA-7	840	539	1-2 1/2	1-2 1/2
0-GS-9-E	680	436	2-3	2-1 1/2	4-GA-9	1120	725	2-2 1/2	2-2 1/2
0-GS-11-E	850	545	2-3	2-1 1/2	4-GA-11	1400	915	2-2 1/2	2-2 1/2
1-GS-4	610	391	2-4	2-4	4-GA-13	1680	1109	2-2 1/2	2-2 1/2
1-GS-5	775	497	2-4	2-4	1-GW-4	980	631	2-4	2-4
1-GS-6	940	605	2-4	2-4	1-GW-5	1240	807	2-4	2-4
1-GS-7	1105	715	2-4	2-4	1-GW-6	1500	980	2-4	2-4
1-GS-8	1270	826	2-4	2-4	1-GW-7	1770	1168	2-4	2-4
1-GS-9	1435	938	2-4	2-4	1-GW-8	2030	1353	2-4	2-4
1-GS-10	1600	1050	2-4	2-4	1-GW-9	2300	1598	2-4	2-4
1-GS-11	1765	1165	2-4	2-4	1-GW-10	2560	1799	2-4	2-4
1-GS-12	2000	1332	2-6	2-6	1-GW-11	2820	1995	2-4	2-4
4-GS-7	2400	1624	2-6	2-5	4-GW-6	3200	2214	2-6	2-5
4-GS-8	2800	1922	2-6	2-5	4-GW-7	3840	2676	2-6	2-5
4-GS-9	3200	2214	2-6	2-5	4-GW-8	4480	3151	2-6	2-5
4-GS-10	3600	2505	2-6	2-5	4-GW-9	5120	3634	2-6	2-5
4-GS-11	4000	2793	2-6	2-5	4-GW-10	5760	4114	2-6	2-5
4-GS-13	4800	3387	4-6	3-5	4-GW-11	6400	4571	2-6	2-5
4-GS-15	5600	4000	4-6	3-5	4-GW-13	7680	5486	4-6	3-5
4-GS-17	6400	4570	4-6	3-5	4-GW-15	8960	6400	4-6	3-5
4-GS-19	7200	5143	4-6	3-5	4-GW-17	10240	7314	4-6	3-5
4-GS-21	8000	5714	4-6	3-5	4-GW-19	11520	8230	4-6	3-5
4-GS-22	8400	6000	6-6	4-5	4-GW-21	12800	9143	4-6	3-5
4-GS-23	9600	6857	6-6	4-5	4-GW-22	13440	9600	6-6	4-5
4-GS-28	10800	7714	6-6	4-5	4-GW-25	15360	10970	6-6	4-5
4-GS-31	12000	8570	6-6	4-5	4-GW-28	17280	12343	6-6	4-5
4-GS-33	12800	9145	8-6	5-5	4-GW-31	19200	13714	6-6	4-5
4-GS-37	14400	10285	8-6	5-5	4-GW-33	20480	14625	8-6	5-5
4-GS-41	16000	11430	8-6	5-5	4-GW-37	23040	16457	8-6	5-5
					4-GW-41	25600	18286	8-6	5-5

All Boilers except type 4-G are available in either Standard Ideal or Empire Ideal models.