

# EW SERIES

## ELECTRIC HOT WATER BOILER

The Sussman EW Series Electric Hot Water Boiler is a cutting-edge solution created to seamlessly integrate into a variety of heating applications. It offers easy installation without the need for flues, gas lines, or complicated combustion air requirements, making setup simple while maintaining reliability and efficiency. It is available in sizes ranging from 12kW to 315kW, making it suitable for different heating needs. The boiler has been designed with an Insulated Carbon Steel Pressure Vessel built to ASME Section IV standards, ensuring its safety and durability with a design pressure of up to 150 PSIG. With zero emissions, a small footprint, and noiseless operation, it easily blends into any environment. Whether for space heating, process heating, or industrial applications, this boiler provides unbeatable performance, making it the perfect choice for comfort, reliability, and energy efficiency.

### FEATURES

- Size Range: 12kW to 315kW
- ASME 150 psi max pressure
- Fully packaged solution for quick and easy single point connections
- Compact footprint- Fits through standard doorway
- NEW Advanced Electronic PID controls compatible with Building Management System via ModBus IP or built-in BacNet IP
- Made in America
- Approvals/Standards: UL834, ASME Section IV and ASME CSD-1 compliant
- 5kA standard with optional 100kA SCCR

### APPLICATIONS

- Ideal for new or retrofit installations including single and multiple-unit installations.
- Suitable for low-temperature systems such as snowmelt and supplemental heat with heat pump systems.
- Support variety of applications including:
  - Apartment Complexes
  - Prisons / Correctional Facilities
  - Hospitals/ Nursing homes/ Medical Centers
  - Hotels/ Entertainment Facilities
  - Schools/ Colleges/ Universities/ Dormitories
  - Commercial laundries
  - Government & Office buildings
  - Industrial applications



## SPECIFICATIONS

EW Models	KW	MBH	System Fluid	Stages	Qty Elements	Element KW	Amperage			Inlet/Outlet Connections	Dimensions for 480/3 Models. See Notes for 208/3 & 240/3.			Shipping Weight
							208/3	240/3	480/3		Width (in.)	Length (in.)	Height (in.)	
EW12G	12	40.1	Glycol & Water	1	1	12	34	29	15	2.0 NPT	24	29	47	380
EW24G	24	80.3	Glycol & Water	1	2	12	67	58	29	2.0 NPT	24	29	47	380
EW36G	36	120	Glycol & Water	2	3	12	101	87	44	2.0 NPT	24	29	47	380
EW48G	48	161	Glycol & Water	2	4	12	134	116	58	2.0 NPT	24	29	47	380
EW60G	60	201	Glycol & Water	4	5	12	167	145	73	2.5 NPT	28	33	47	640
EW72G	72	241	Glycol & Water	4	6	12	201	174	87	2.5 NPT	28	33	47	640
EW84G	84	281	Glycol & Water	4	7	12	234	203	102	2.5 NPT	28	33	47	640
EW96G	96	321	Glycol & Water	4	8	12	267	232	116	2.5 NPT	28	33	47	650
EW108G	108	361	Glycol & Water	4	9	12	301	261	131	2.5 NPT	28	33	47	650
EW120G	120	401	Glycol & Water	4	10	12	334	290	145	2.5 NPT	28	33	47	650
EW132G	132	441	Glycol & Water	4	11	12	367	318	159	3.0 NPT	31	36	59	950
EW144G	144	482	Glycol & Water	4	12	12	401	347	174	3.0 NPT	31	36	59	950
EW162G	162	542	Glycol & Water	4	9	18	451	391	196	3.0 NPT	31	36	59	950
EW180G	180	602	Glycol & Water	4	10	18	501	434	217	3.0 NPT	31	36	59	950
EW198G	198	662	Glycol & Water	5	11	18	551	477	239	3.0 NPT	31	36	59	975
EW216G	216	722	Glycol & Water	5	12	18	601	521	261	3.0 NPT	31	36	59	975
EW234G	234	782	Glycol & Water	5	13	18	651	564	282	3.0 NPT	31	36	59	975
EW252G	252	843	Glycol & Water	7	14	18	701	607	304	3.0 NPT	31	36	59	975
EW270	270	903	Water Only	7	12	22.5	751	651	326	3.0 NPT	31	36	59	975
EW295	295	986	Water Only	7	13	22.5	820	711	356	3.0 NPT	31	36	59	975
EW315	315	1,053	Water Only	7	14	22.5	876	759	380	3.0 NPT	31	36	59	975

- Drain Valve Connection: 1 in. NPT for all models
- Note 1 - EW72G to EW120G: increase length 6 inches for 208/3 & 240/3.
- Note 2 - EW132G to EW315: increase length 5 inches and height 8 inches for 208/3 & 240/3.