

GAUMER PROCESS

HEATERS
SYSTEMS
CONTROLS

Electric Steam Boilers

Type GSSB - 12 KW to 180 KW
Trimmed at 100 PSIG

APPLICATIONS

Where copper, iron, and other materials cannot be tolerated in the steam or the steam process such as deionized, demineralized, distilled, or reverse osmosis. For use with water having a minimum specific resistivity of 1 Megohm or higher.

LISTINGS

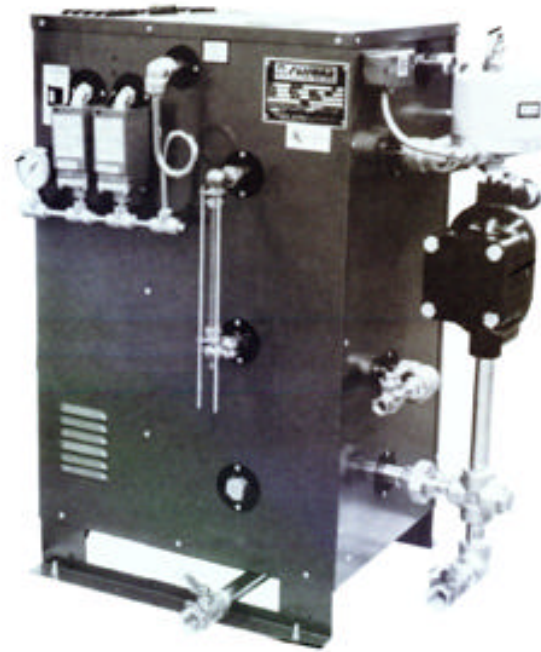
Built in accordance with Section I Code M of ASME Boiler and Pressure Vessel Codes. It is UL Listed and CSA certified.

AVAILABILITY

Stock to six (6) weeks, specials in ten (10) to twelve (12) weeks.

STANDARD FEATURES

- All wetted parts are Type 304 Stainless Steel.
- Liquid Level / LWCO Conductivity-Independent float type controller automatically maintains proper water level and powers down the boiler when water supply in the boiler drops below a safe operating level.
- Water Level Sight Glass allows constant observation of water level while boiler is operating.
- ON-OFF switch and Pilot Light mounted through cabinet front and magnetic contactor mounted inside control compartment.
- Integrally mounted and wired magnetic contactors with Class J 600V fusing.
- Manual Reset Pressure Control provides high limit pressure shut down with manual reset.
- Electric Heating Elements have stainless steel sheath material and are welded construction.
- Blowdown / Drain Valve facilitates the emptying of the pressure vessel during blowdown/drain sequence.
- Operating Pressure Control maintains proper steam pressure within steam boiler.
- ASME Coded Steam Safety Valve automatically opens should excess steam pressure develop inside boiler.
- Steam Pressure Gauge allows visual observation of steam pressure.
- Fully insulated pressure vessel minimizes heat loss and maximizes energy savings.
- Rugged construction makes steam generator suitable for most industrial applications.



For more information or to place an order call the Shuhart Company • 1-880-349-9898

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Bhp	Condensate (Lbs./Hr.)	Gaumer Catalog Number	kW:	Volts	Quantity Circuits	Quantity Switches	Width (in.)	Length (in.)	Height (in.)	Net Wt. (lbs.)
1.224	36.2	GSSB12-208	12	208	1	1	20	28	36	230
1.224	36.2	GSSB12-240	12	240	1	1	20	28	36	230
1.224	36.2	GSSB12-480	12	480	1	1	20	28	36	230
1.734	51.2	GSSB18-208	17	208	1	1	20	28	36	240
1.734	51.2	GSSB18-240	17	240	1	1	20	28	36	240
1.734	51.2	GSSB18-480	17	480	1	1	20	28	36	240
2.448	72.3	GSSB24-208	24	208	2	1	23	33	44	300
2.448	72.3	GSSB24-240	24	240	2	1	23	33	44	300
2.448	72.3	GSSB24-480	24	480	1	1	23	33	44	300
2.958	87.4	GSSB29-208	29	208	2	1	23	33	44	310
2.958	87.4	GSSB29-240	29	240	2	1	23	33	44	310
2.958	87.4	GSSB29-480	29	480	1	1	23	33	44	310
3.468	102.5	GSSB34-208	34	208	2	1	23	33	44	310
3.468	102.5	GSSB34-240	34	240	2	1	23	33	44	310
3.468	102.5	GSSB34-480	34	480	1	1	23	33	44	310
4.692	138.7	GSSB46-208	46	208	4	1	23	33	44	315
4.692	138.7	GSSB46-240	46	240	3	1	23	33	44	315
4.692	138.7	GSSB46-480	46	480	2	1	23	33	44	315
5.916	174.8	GSSB58-208	58	208	4	1	23	33	44	380
5.916	174.8	GSSB58-240	58	240	3	1	23	33	44	380
5.916	174.8	GSSB58-480	58	480	2	1	23	33	44	380
6.936	205	GSSB68-208	68	208	4	1	23	33	44	390
6.936	205	GSSB68-240	68	240	4	1	23	33	44	390
6.936	205	GSSB68-480	68	480	2	1	23	33	44	390
10.404	307	GSSB100-208	102	208	6	2	28	34	59	625
10.404	307	GSSB100-240	102	240	6	2	28	34	59	625
10.404	307	GSSB100-480	102	480	3	2	28	34	59	625
13.872	410	GSSB136-208	136	208	8	3	30	36	59	785
13.872	410	GSSB136-240	136	240	8	3	30	36	59	785
13.872	410	GSSB136-480	136	480	4	3	30	36	59	785
16.014	475	GSSB160-240	157	240	8	3	30	36	61	785
16.014	475	GSSB160-480	157	480	4	3	30	36	61	785
18.36	543	GSSB180-240	180	240	9	3	30	36	61	790
18.36	543	GSSB180-480	180	480	5	3	30	36	61	790

FACTORY INSTALLED OPTIONS

- Low Pressure Trim 15, 30, and 50 are options. Please Specify.
- Single Phase Wiring - Available on GSSB12 - GSSB24. Please Specify.
- Ammeter or Voltmeter - Contact Gaumer for options.
- Control Transformer with fused primary and fused/grounded secondary
- SCR Stepless Control with 100% turndown capability. Contact Gaumer for options.

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OPTIONAL EQUIPMENT

- Auxiliary Low Water Cut-off (Use GSSB81017) utilizes an amplifier with solid state (SCR) switching for control of automatic low water cutoff. When water level falls below a safe operation level the boiler is de-energized. A sensing device detects current flow between a submerged probe and the shell. The unit is available as a backup to the primary mechanical type low water cutoff control.
- Automatic Blowdown System (Contact Gaumer for Model Number) automatically cycles boiler through daily shutdown, blowdown, and startup sequences. Consists of a stainless steel, motor driven, straight thru, self cleaning ball valve with Teflon seats. It handles particles and dirty fluid without the use of an upstream strainer or any other cleaning device. An electronic unit and timer controls the ball valve and boiler. Pilot lights indicate status of drain valve and boiler. If so equipped the blowdown function cannot be done manually.
- High Pressure Vacuum Breaker (Contact Gaumer for Model Number) prevents the boiler from flooding as a result of the steam condensing internally and creating a vacuum after boiler shutdown. The breaker allows air to enter the shell breaking the vacuum. The Vacuum Breaker is required with a condensate return system and consists of a spring loaded disc and associated piping. It is plumbed to the boiler at the factory.
- Blowdown Separator prevents live steam from escaping during blowdown. Unit is ASME Code Stamped and accepts flash steam and effluent from the boiler blowdown valve, reduces the temperature and the pressure prior to discharge. Requires separate plumbing in the field to blowdown valve and a cold water supply. Check Gaumer for proper model selection.
- Low Pressure Water Feed System (Contact Gaumer for Model Number) used to supply makeup water to the boiler when incoming water pressure is at least 10 psig greater than desired operating pressure of the boiler. Completely factory plumbed and wired: (0-150) psig range - 1/2 NPT size. Consists of strainer, solenoid valve (120/1/50-60Hz), and check valve.
- High Pressure Cold Water Feed System - Type GSSB12-GSSB180 (Contact Gaumer for Model Number) are used to maintain constant water level in the steam boiler when boiler operating pressure is equal to or greater than the incoming water line pressure and condensate is not returned to the boiler.
- Modulating proportional sequencer with operating mode indicator lights. Check Gaumer for details.

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