

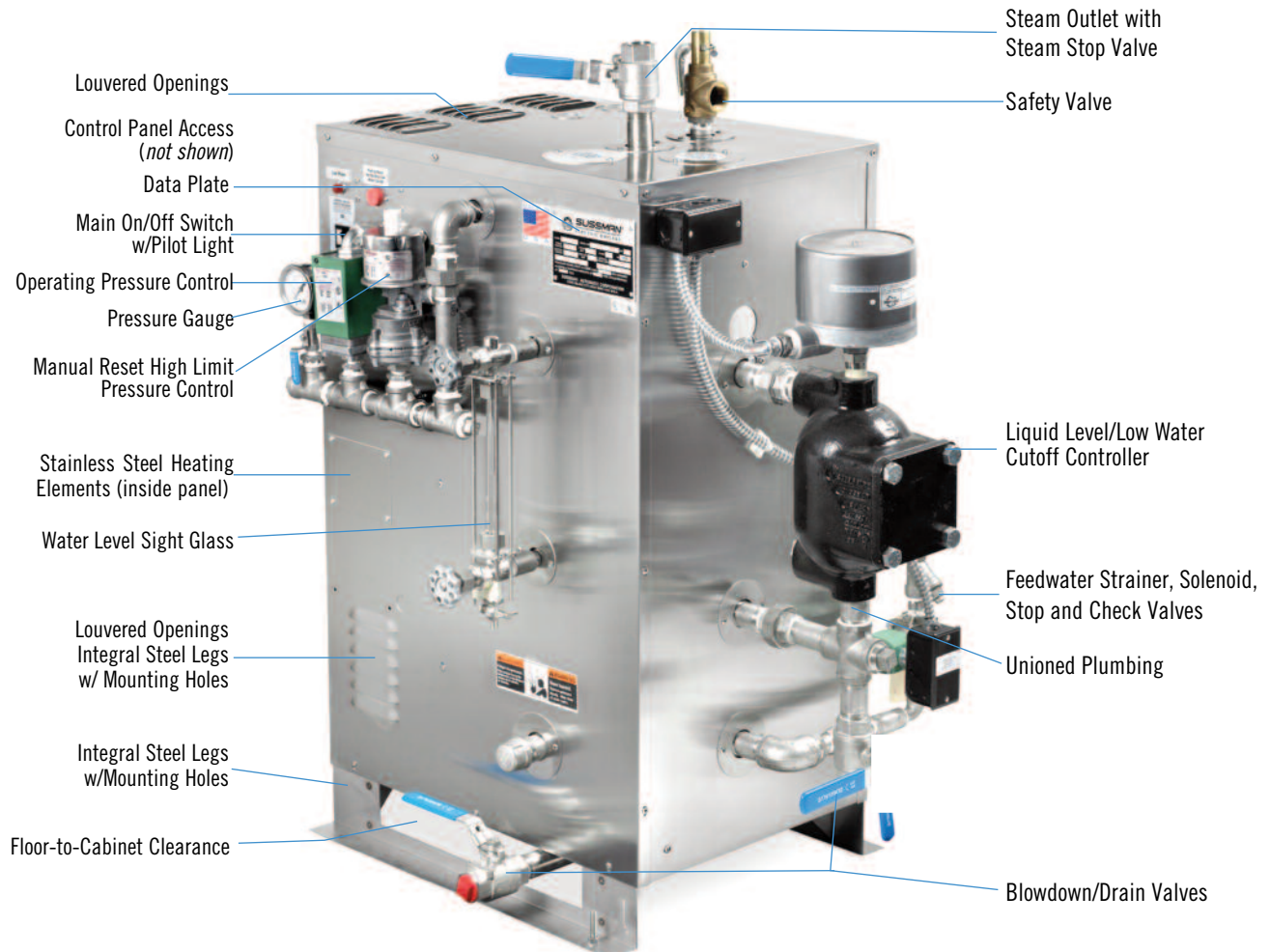
SSB SERIES

ELECTRIC STEAM BOILERS

- *Lbs/Hr Sat. Steam:* 36 to 543
- *KW Rating:* 12 to 180
- *ASME Rating* 100 PSIG
- *Operating PSIG Range* 0-80 PSIG Max

NOTE: Water with a minimum of 1 meg ohm-cm specific resistivity must be used for proper & safe boiler operation.

All wetted metal parts are stainless steel / Passivation-Pressure Vessel per ASTM A-967-96



Typical boiler arrangement



Built to ASME Code



Stainless Steel Electric Boilers

Sussman SSB Boilers minimize contaminants because all-wetted metal parts are Stainless Steel. Whenever copper, iron or other materials cannot be tolerated in the steam and/or process, a Sussman SSB Stainless Steel Boiler is the product of choice for clean steam.

APPLICATIONS

- Pharmaceutical, Chemical Process, Sterilization, Food Processing, Cosmetics, Autoclaves and other clean steam.
- Series 316L stainless steel pressure vessel.
- Passivation of pressure vessels and fittings
- Built to ASME Boiler and Pressure Vessel Codes Sect. I
UL and cUL Listed. National Board registered.
- Tested to rigid Q.C. Inspection Procedures.

STANDARD FEATURES

- **LOW WATER CUT-OFF/LEVEL CONTROL** Float type automatically maintains proper water level for safe operation and shuts off the boiler when the water supply falls below a safe level. Auxiliary low-water cut-off supplied in addition to primary control as standard
- **WATER LEVEL SIGHT GLASS** - Permits visual observation of water level while unit is in operation.
- **MAIN ON-OFF SWITCH** - Permits manual operation of boiler control circuit.
- **STEAM STOP-VALVE** - Ball valve; quick closing.
- **PILOT LIGHT** - Indicates boiler on/off condition.
- **INTEGRAL ELECTRICAL CONTROL** - Magnetic contactors for energizing boiler elements are integrally mounted in the control unit.
- **BLOWDOWN/DRAIN VALVES** - Permits easy blow-down and draining.
- **LONG LIFE HEATING ELEMENTS** - Industrial Grade heavy duty 0.420 inch diameter stainless steel sheath heating elements with one piece resistance welded terminations for added life and security.
- **OPERATING PRESSURE CONTROL** - Automatically maintains pre-set operating pressure within boiler.
- **RUGGED INDUSTRIAL CONSTRUCTION**
- **AUXILIARY LOW WATER CUTOFF**
- **PASSIVATION PER ASTM A-967-96**
- **NEMA 1 Louvered enclosure standard**
- **LINE PRESSURE WATER FEED** – used when incoming water pressure is at least 10 PSIG higher than operating pressure
- **SCCR** - 5kA standard with optional 100kA

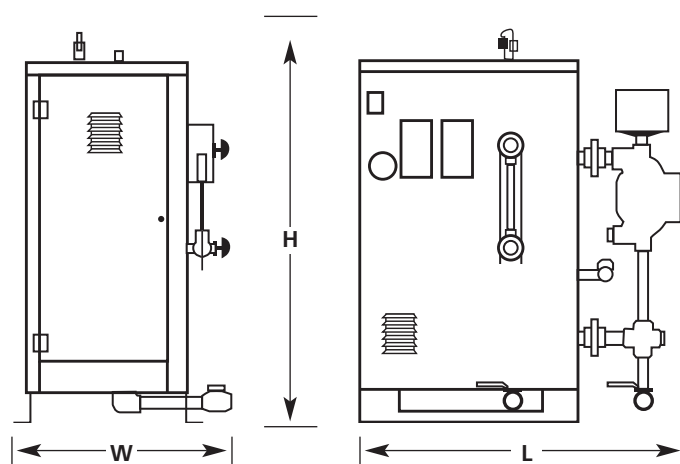
CODE REQUIREMENTS

- Built to ASME Section I for max 100 PSIG. Vessel National Board Registered. Code E certified
- Electrical construction conforms to NEC requirements.
- UL and cUL Listed.

SAFETY FEATURES

- **STEAM SAFETY VALVE** - ASME Code Safety Valve automatically opens to reduce pressure.
- **STEAM PRESSURE GAUGE** - Allows visual observation of steam while unit is in operation.
- **MANUAL RESET PRESSURE CONTROL** - Provides high limit pressure cut-off with manual reset feature.

SSB Electrical Steam Boiler



Boiler Model	KW	BHP	Steam Lbs/Hr ##	3 Phase Voltage	Total Amps	W L H Inches	Ship Wt.
SSB-12*	12	1.22	36.2	208 240 480	34 29 15	20 28 36	260
SSB-18*	18	1.84	54.2	208 240 480	50 44 22	20 28 36	270
SSB-24*	24	2.45	72.3	208 240 480	67 58 29	27 33 45	330
SSB-30*	30	3.06	90.4	208 240 480	84 73 37	27 33 45	340
SSB-36*	36	3.67	108	208 240 480	100 87 44	27 33 45	350
SSB-48	48	4.89	145	208 240 480	128 111 56	27 33 45	365
SSB-60	60	6.12	181	208 240 480	167 145 73	27 33 45	410
SSB-72	72	7.35	217	208 240 480	200 174 87	27 33 45	420
SSB-85	84	8.50	256	208 240 480	236 204 102	28 34 59	675
SSB-100	108	11.0	325	208 240 480	284 246 123	28 34 59	675
SSB-135	144	14.6	433	208 240 480	400 347 173	30 36 61	785
SSB-160	158	161	475	240 480	379 190	30 36 61	785
SSB-180	180	18.4	542	240 480	434 217	30 36 61	790

* Single phase available

Other voltages available: 380/415/600, 50Hz

With 50°F feedwater

NOTES:

- All wetted metal parts are stainless steel. Consult factory for specific wetted parts materials.
- Allow 21 inches for heating element removal. When ordering: Specify model number, kw, volts, phase and optional equipment.
- Minimum of 1 meg ohm-cm specific resistivity feed water must be used for proper & safe boiler operation